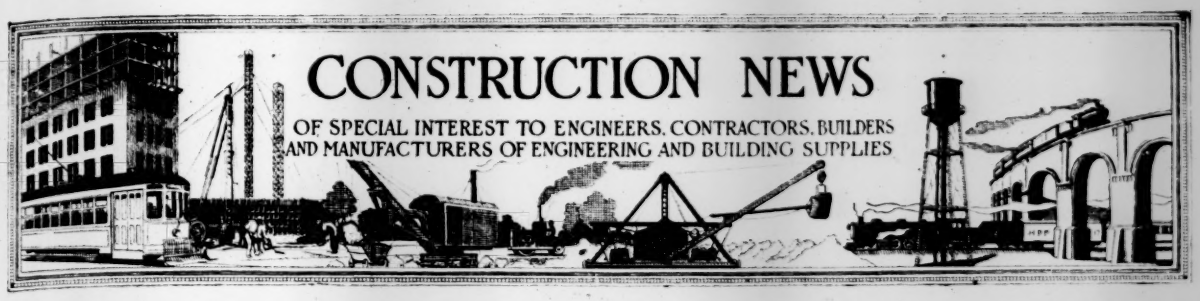

CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

PROPOSALS

"For Proposals Advertised see the pages immediately following the Construction News Section."

WATERWORKS

Bids Close		See Eng. News-Record
Sept. 29	Flagley, Colo.	Sept. 18
Sept. 29	Pipestone, Minn.	Sept. 25
Sept. 30	Adrian, Minn.	Sept. 25
Sept. 30	Detroit, Mich.	Sept. 11
Oct. 2	East Hartford, Conn. Adv. Sept. 11.	Sept. 11

SEWERS

Oct. 1	Baldwin, Pa.	Sept. 18

BRIDGES

Sept. 29	Birmingham, Ala.	Sept. 18
Sept. 29	Goldsboro, N. C.	Sept. 25
Sept. 29	Iola, Kan.	Sept. 18
Sept. 29	New Jersey	Sept. 11
Oct. 1	Moorehead, Minn. Adv. Sept. 11.	Sept. 25
Oct. 6	Kinston, N. C.	Sept. 25
Oct 6	Gainesville, Ga.	Sept. 25
Oct. 15	Appleton, Wis.	Sept. 25

STREETS AND ROADS

Sept. 29	Batesville, Ark	Sept. 25
Sept. 30	Morristown, Tenn.	Sept. 25
Sept. 30	Pennsylvania Adv. Sept. 11.	Sept. 11
Sept. 30	Blackfoot, Idaho	Sept. 11
Sept. 30	Montgomery, Ala. Adv. Sept. 18.	Sept. 18
Sept. 30	Trenton, N. J.	Sept. 25
Sept. 30	Maryland Adv. Sept. 25.	Sept. 25
Sept 30	Long Island City, N. Y.	Sept. 25
Oct 1	Brooklyn, N. Y.	Sept. 25
Oct. 1	Charleston, Mo.	Sept. 25
Oct 1	Monroe, Ga.	Sept. 25
Oct. 1	Arkansas	Sept. 25
Oct. 1	Clayton, Mo.	Sept. 25
Oct. 1	Faribault, Minn.	Sept. 4
Oct. 2	Madison, W. Va.	Sept. 11
Oct. 2	Trenton, Ga.	Sept. 18
Oct. 2	Ranger, Tex. Adv. Sept. 25.	Sept. 25
Oct. 2	San Antonio, Tex.	Sept. 25
Oct. 3	Petersburg, Va.	Sept. 25
Oct. 3	Three Rivers, Que.	Sept. 25
Oct. 3	Ebensburg, Pa.	Sept. 25
Oct. 4	Kansas City, Kan.	Sept. 25
Oct. 4	Waynesburg, Pa.	Sept. 25
Oct. 6	Ridgeway, Mo.	Sept. 18
Oct. 6	Ft. Scott, Kan.	Sept. 18
Oct. 6	Fayetteville, W. Va.	Sept. 18
Oct. 6	Dallas, Tex.	Sept. 25
Oct. 7	Le Sueur Center, Minn.	Sept. 25
Oct. 7	St. Louis, Mo.	Sept. 25
Oct. 7	Montevideo Minn.	Sept. 18
Oct. 7	Billings, Mont.	Sept. 18
Oct. 9	Goldsboro, N. C.	Sept. 25
Oct. 10	Tacoma, Wash. Adv. Aug. 14.	Aug. 14
Oct. 11	Brainerd, Minn.	Sept. 18
Oct. 13	Lancaster, Mo.	Sept. 11
Oct. 13	Collinville, Okla.	Sept. 25
Feb. 1	Duluth, Minn. Adv. Sept. 18.	Sept. 25

EXCAVATION AND DREDGING

Oct. 4	Greenfield, Ind.	Sept. 18
Oct. 7	Olivia, Minn.	Sept. 18

INDUSTRIAL WORKS

Oct. 1	Chicago, Ill.	Sept. 25
Oct. 3	Oshawa, Ont.	Sept. 25
Oct. 7	Marcy, N. Y. Adv. Sept. 18.	Sept. 18

BUILDINGS

Bids Close		See Eng. News-Record
Sept. 29	Toronto, Ont.	Sept. 25
Sept. 29	Union Grove, Wis.	Sept. 25
Sept. 30	McKeesport, Pa.	Sept. 25
Sept. 30	Salt Lake City, Utah	Sept. 11
Sept. 30	Biwabik, Minn.	Sept. 11
Oct. 1	Sun Prairie, Wis.	Sept. 25
Oct. 1	St. Paul, Minn.	Aug. 28
Oct. 1	Virginia, Minn.	Aug. 28
Oct. 1	Wichita, Kan.	Sept. 11
Oct. 1	Fulton, Mo.	Sept. 11
Oct. 1	Mt. Pleasant, Ia.	Sept. 11
Oct 1	Emporia, Kan.	Sept. 25
Oct. 3	Brevard, N. C.	Sept. 18
Oct. 6	Balaton, Minn.	Sept. 25
Oct. 10	Cherokee, Okla.	Sept. 18
Oct. 11	Minneapolis, Minn.	Sept. 25
Oct 15	Biggar, Sask	Sept. 25
Oct. 17	Ashley, N. D.	Sept. 18
Nov. 23	Winner, S. D.	Sept. 11

FEDERAL GOVERNMENT WORK

Sept. 29	Rip Rap — Tompkinsville, N. Y.	Sept. 25
Sept. 29	Dredge, etc.—Wilmington, N. C. Adv. Aug. 28.	Aug. 28
Sept. 29	Dredging—Baltimore, Md. Adv. Sept. 11.	Sept. 11
Sept. 30	Remodeling Hospital—Boston, Mass.	Aug. 28
Sept. 30	Dock—Charleston, S. C.	Sept. 4
Sept. 30	Hospital — Spec. 3931 — Pearl Harbor, Hawaii	Sept. 4
Sept. 30	Rubble Mound Breakwater —Cleveland, O.	Sept. 4
Sept. 30	Sprinkler System—Philadelphia, Pa. Adv. Sept. 18.	Sept. 18
Sept 30	Levee Work — Memphis, Tenn. Adv. Sept. 25.	Sept. 25
Oct. 1	Dredging-Spec. 4031-Hingham, Mass.	Sept. 18
Oct. 1	Valves, Gates, etc.—Denver, Colo. Adv. Aug. 21.	Aug. 21
Oct. 1	Electric Lighting and Power Systems—Spec. 3982—Mare Island, Cal.	Aug. 28
Oct. 1	Electric Lighting, Water Supply and Fire Protection Systems — Spec. 3977A — Charleston, S. C.	Sept. 18
Oct. 2	Equipment—Denver, Colo.	Sept. 11
Oct. 3	Post Office—Midland, Mich.	Sept. 11
Oct. 3	Lock and Dam — Pittsburgh, Pa. Adv. Sept. 11.	Sept. 11
Oct. 4	Dredging — Wilmington, Del. Adv. Sept. 11.	Sept. 11
Oct. 6	Post Office—St. Johnsburg, Vt.	Aug. 28
Oct. 6	Levee Work — St. Louis, Mo. Adv. Sept. 11.	Sept. 11
Oct. 6	Dredging — New York, N. Y. Adv. Sept. 18.	Sept. 18
Oct. 6	Building—Marianna, Ark.	Sept. 11
Oct 6	Dredging—New York, N. Y. Adv. Sept. 18.	Sept. 18
Oct. 8	Dredging—Detroit, Mich. Adv. Sept. 11, 18.	Sept. 11
Oct. 10	Dredge—New York, N. Y. Adv. Aug. 28.	Aug. 28
Oct. 10	Post Office—Lock Haven, Pa.	Sept. 4
Oct. 14	Post Office—Pratt, Kan.	Sept. 11
Oct. 15	Derricks—Florence, Ala. Adv. Sept. 18.	Sept. 18
Oct. 15	Repairing Dyke—Philadelphia, Pa. Adv. Sept. 18.	Sept. 18
Oct. 15	Quarters and Mess Hall—Bismarck, N. D.	Sept. 18
Oct. 16	Sewers and Excavating—Washington, D. C. Adv. Sept. 25.	Sept. 25
Oct 16	Dredging — Charleston, S. C.	Sept. 25
Oct. 20	Dredging — Jacksonville, Fla. Adv. Sept. 25.	Sept. 25
Oct. 22	Power Plant Improvements —Spec. 3956—Pearl Harbor, Hawaii	Sept. 11
Nov. 3	Post Office and Court House —Honolulu, H. T.	Aug. 21

MISCELLANEOUS

Sept. 29	Equipment — Pittsburgh, Pa.	Sept. 25
Sept. 30	Station—Brooklyn, N. Y.	Sept. 25
Oct. 1	Sewerage Screenings Press —Baltimore, Md. Adv. Sept. 25.	Sept. 25
Oct. 1	Granite Paving Blocks—Baltimore, Md. Adv. Sept. 25.	Sept. 25
Oct. 2	Wharf — St. Laurent de Orlean, Que.	Sept. 18
Oct. 2	Wharf—Quebec	Sept. 18
Oct. 6	Pumping Equipment—Los Angeles, Cal.	Sept. 18
Oct. 6	Pipe, etc.—Alexandria, La. Adv. Sept. 25.	Sept. 25

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Fla., West Palm Beach—City plans to improve waterworks, sewerage system and streets. About $40,000.

O., Elyria—City retained M. Knowles, engr., Jones Law Bldg., Pittsburgh, to make study and submit sketches for water system, to include filtration plant, pumping station and 7 mi. force mains.

Kan., Burns—City having plans prepared by F. E. Devlin, engr., El Dorado, building new waterworks system. About $27,500.

Kan., Canton—City plans to build waterworks plant. About $40,000.

Kan., Hillsboro—City plans to build waterworks and install sewers in various streets. About $150,000.

Kan., Hugoton—City plans election to vote on $60,000 bonds to build waterworks and electric light plant. Ruckel Engr. Co., Garden City, engrs.

Kan., Peabody—City plans to build new waterworks system. About $25,000.

N. D., Hankinson—City plans to build waterworks system. About $10,000.

Tex., Palestine—City voted $250,000 bonds to improve waterworks.

Tex., Tyler—See "Sewers."

Okla., Collinsville—City having plans prepared by Johnson & Benham, engrs., Firestone Bldg., Kansas City, Mo., for water purification plant. About $40,000.

Okla., Hartshorne—City having plans prepared by V. V. Long & Co., archts., 605 Capitol Hill, Oklahoma, improving waterworks system. Bonds for $25,000 voted for project.

Ark., Paragould—City retained W. R. Heagler & Sons, engrs., Paragould, to prepare plans for waterworks system.

Waterworks (Continued)

Colo., Raymer—City having plans prepared by Rohrough Eng. Co., engrs., 929 City National Bank Bldg., Omaha, building new water works plant. About $28,000.

Idaho, Moscow—State having preliminary plans prepared diverting from 800,000 to 1,000,000 ft. waste water in Yellowstone Lake district, to upper Snake River Valley reservoirs, for irrigation. About $100,000. W. G. Swendsen, Boise, comr. recl.

Ore., Stanfield—City receives bids about Oct. 1, building water system, to include deep wells, steel tower, laying water mains and side pipes. Bonds for $30,000 voted for project.

Cal., Davis—City plans election to vote on $71,000 bonds to build waterworks system.

Cal., Lancaster—Los Angeles Co. Water Dist. No. 4, voted $30,250 bonds to build 75,000 gal steel tank on steel tower, pipe lines, pumping plant, wells and distributing system. Address A. M. McPherrin, clk. bd. supervs. Noted June 19.

Ont., London—City having plans prepared by H. A. Brazier, engr., City Hall, for 4,000,000 gal. reservoir, either rein.-con. covered or open earthen walled lined with concrete. About $200,000. Noted July 17.

Ont., Peterborough—City plans to build slow sand filters, on old Carnegie property, to have 4,000,000 gal. daily capacity. W. Parsons, City Hall, engr.

Ont., Windsor—City plans election to vote on $100,000 bylaw to lay 14,000 ft. 6-10 in. c.i. watermains in sections of Howard, Moy, Hall, Windsor and Shepherd Aves., Martin, Brant and Ottawa Sts. M. A. Brian, Windsor, engr.

BIDS DESIRED

Minn., Pipestone—Until Sept. 29, by W. Funk, city clk., extending water mains, building 150,000 gal. tank on 90 ft. tower, rein.-con. reservoir, 500,000 gal. capacity and pumping plant. About $76,000. L. P. Wolff, Guardian Life Bldg., St. Paul, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Quincy**—See "Streets and Roads."

★**R. I., North Scituate**—Water Supply Bd., Providence, let contract building outlet works at Moswansicut Pond, 9 mi. west of Providence, near proposed Scituate reservoir, to G. T. Seabury, Inc., 44 Washington St., Providence, $6987. Noted Sept. 11.

N. Y., Wingdale—C. F. Rattigan, supt. prisons, Capitol, Albany, received bids Sept. 4, building dam, gate house, pipe line and filter plant, at Wingdale Prison, here from S. Deskin, Beacon, $202,691; Lupfer & Renick, Ellicott Sq., Buffalo, $234,962; Smith, Hauser & MacIsaac, 18 East 41st St., New York City, $243,500. Work involves 200 cu.yd. grubbing, 17,900 cu.yd. excav., 2300 cu.yd. embankment, 11,300 cu.yd. 2nd class concrete, 225 cu.yd. 1st class rein.-con., 9000 lb. structural steel, 14,200 lb. metal reinforcement, 135 ton c.i. pipe and specials, 3360 lin.ft. 6-24 in. c.i. pipe and specials, etc. Noted Aug. 28.

★**N. C., Wendell**—City let contract building deep well, steel tower and tank also laying 4 mi. ⅝ in. watermains and 5 mi. 8/15 in. sewers, to Tucker & Laxton, Realty Bldg., Charlotte. About $90,000. Noted Aug. 28.

★**Minn., Duluth**—City let contract building rein.-con. reservoir, to G. H. Lounsberry, 322 East Superior St., $13,570. Noted Sept. 4.

★**Minn., Foley**—City let contract for 60,000 gal. steel tank pump, 1000 gal. per minute motor, to Pastoret Constr. Co., Lyceum Bldg., Duluth. About $40,000. Noted Feb. 20.

★**Okla., Covington**—City let contract building waterworks and sewerage systems, to Mackintosh Walton Co., 1022 State Nat'l. Bank Bldg., Oklahoma, cost plus percentage basis.

★**Ont., York**—Town let contracts laying 22,000 ft. 6 in. c.i. water mains in Mt. Dennis, Swansea and Oakwood Dists., to P. Iles, Toronto $28,000; A. Cavotti, Toronto, $33,500; Murphy Contg. Co., 146 Shuler St., Toronto, $46,200.

Sewers

PROPOSED WORK

N. J., North Bergen—City having plans prepared by R. Gaw, engr., West Hoboken, for sewer in Paterson Turnpike. About $40,000.

Fla., West Palm Beach—See "Waterworks."

O., Dayton—See "Streets and Roads."

Wis., Ft. Atkinson—City soon lets contract excavating and laying 1.9 mi. sewers in Jackson St., involving 2625 ft. 8-12. in. vitr. pipe. Cost between $15,000 and $20,000. Private plans.

Wis., Janesville—Bd. Pub. Wks. soon lets contract furnishing labor and materials for laying sewers in Jackson St., Dist. No. 4, involving 460 lin.ft. 8 in. sewers, etc.; Mineral Point Ave., Center and Jackson Sts., Dist. No. 5, 1461 lin.ft. 8 in. sewers; Franklin St., Dist. No. 6, 1860 lin.ft. 8 in. sewers; Caroline St., Dist. No. 11, 450 lin ft. 8 in. sewers; East St. and Milwaukee Ave., Dist. No. 14, 1075 lin.ft. 8 in. sewers; Fremont St., Dist. No. 15, 700 lin ft. 8 in. sewers.

Kan., Emporia—City plans to build sewers in various streets. About $150,000.

Kan., Hillsboro—See "Waterworks."

Mont., Anaconda—Deerlodge Co. plans to build sanitary sewerage system. About $12,000.

Mont., Park City—City plans to install sewers in various streets. About $20,000. P. Hastings, Billings, engr.

Ark., Batesville — See "Streets and Roads."

Tex., San Antonio—City voted $500,000 bonds to build sanitary sewers in various streets. H. Helland, city engr. Noted July 10.

Tex., Tyler—City plans to extend sewerage and waterworks systems. About $20,000.

Ore., Portland—City Council adopted resolution to construct sewers, cement or vitr. pipe, lampholes, catchbasins, sewer service pipes and branches, 33 ft. east of Oregon and California R.R. near Lowell, cost, $1487; Lambert Ave., $2453; 51st St. S. E., from point 120 ft. south of Division St. to 27th Ave. S. E., $978; East 78th St. from Oregon to East Gilsan Sts., $1304; Malden Ave. from point 325 ft. east of East 39th St., $2332; East 2nd St., $2771. O. Laurgaard, city engr.

Cal., Oakland—See "Streets & Roads."

Ont., Belleville—City plans to build 4150 ft. vitr. tile sanitary sewers in Bridge St. About $13,900. J. G. Mill, Belleville, engr. Noted May 29.

Ont., Oxford Centre—City soon lets contract laying 5080 ft. 8-24 in. tile sewer drain in various streets. About $15,000. F. Ure, Woodstock, engr.

Sask., Lloydminster—Hospital Bd. plans to build sewage disposal plant. About $25,000.

BIDS DESIRED

Minn., Adrian—Until Sept. 30, by town building sewerage system, involving 23,243 lin.ft. tile, septic tank, sludge basin and accessories. About $40,000. Druar & Smith, Globe Bldg., St. Paul, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Chicopee**—City let contract laying vitr. pipe sewer in Exchange St., to Cordner & Montague, 373 Bay St., Springfield. About $37,500.

★**Pa., Hanover**—City let contract building sewer in East Washington St., to C. Rees, James St., $26,879.

★**W. Va., Martinsburg**—City let contract building sewage disposal plant and sewerage system in John King and cross streets, to H. C. Brooks Co., East Washington St., $50,331. Noted Sept. 11.

★**N. C., Wendell**—See "Waterworks."

★**Mich., Detroit**—City let contract to Lennane & McIlvenna, Book Bldg., building lateral sewer No. 3145, cost, $8950, No. 3147, $10,800; Detroit Contg. Co., 827 Ford Bldg., No. 3146, $7990; No. 3148, $8468; No. 3151, $8120; No. 3178, $11,220; N. Mancini, 256 Hague Ave., No. 3163, $4391; Liberty Constr. Co., Penobscot Bldg., No. 3172, $13,439; No. 3174, $8400. Noted Sept. 11.

★**Mich., Royal Oak**—Vinsetta Land Co. let contract furnishing labor and material building sewerage system and disposal plant, involving 2200 ft. 8-12 in. vitr. crock sewer, Imhoff tank ejectors, sprinkling filter, etc., to C. Tackels, 918 Dickenson Ave., Detroit. Noted Aug. 21.

★**Wis., Appleton**—City let contract laying sewers in College Ave., to H. L. Wilson, 861 Drew St., involving 660 ft. 15 in. pipe, $2.12 per ft., 663 ft. 12 in. pipe, $1.86, and 667 ft. 10 in. pipe, $1.69.

★**Neb., Omaha**—City let contract to J. Jensen, 2407 Wirt St., building 1075 ft. storm sewers in Railroad St. from Washington to Gilmore Sts., involving 75 ft. 12-24 in. vitr. clay pipe, and 1584 lb. c.i. pipe, etc., cost $17,920; 32,216 ft. storm sewers in Florence Twp., involving 28,386 ft. 8-24 in. vitr. clay pipe, 3920 ft. 2-3 ft. segment block, 102 manholes, 5 flush tanks, 58,976 lb. c.i. pipe, etc., $82,229. Noted Sept. 4.

★**Okla., Claremore**—City let contract building 1400 ft. 8 in. sewer in Main St. to Orings & Shoner, Miami. About $62,000.

★**Okla., Covington**—See "Waterworks."

★**Utah, Salt Lake City**—City let contract laying 5500 ft. 8 in. sewers in various streets in Gilmer Park, to J. L. Griffith, 2138 South 10th St. E., $23,884. Noted July 24.

Wash., Seattle—Bd. Pub. Wks. received bids Aug. 29, building sewer in 50th Ave. S., et al, involving manholes, flush tanks and 6762 ft. 8-15 in. sewer pipe, (a) clay (b) concrete, from S. A. Moceri, 1515 West Barrett St., (a) and (b), $27,667 each; Scalzo & Co., (a) $31,025, (b) $30,011; C. Christofaro Co., (a) $33,452, (b) $33,114. Contractors all of Seattle. Noted July 31.

Ore., Portland—City received bids building cement sewer, manholes, lampholes, catch-basins, sewer service pipes in (a) Bybee Ave. from 41st Ave. S. E. to Eastmoreland Ave., (b) Grand Ave. from Alberta St. to Wygant Ave., (c) Ogden Ave. from 41st St. S. E. to Eastmoreland Ave, (d) Glenwood Ave. and East 7th St., (e) East 63rd and Halsey Sts., (f) building concrete sidewalks and curbs on portions of 83rd and 84th Sts., 67th and 70th Aves., S. E., (1) vitr., (2) cement, from E. Sandberg, 74 East 24th St., N., (a) $2533, (c2) $2719, (d2) $1506; C. B. Braley, Portland, (a) $2766, (b1) $1179, (d2) $1654; Jacobsen-Jensen, 407 Stanton St., (a) $2830, (c) $2806, (e2) $187.038; S. Dyoub, (b1) $1157; J. Keating, Portland, (b1) $1120, (c2) $2820, (d2) 1780; J. F. Shea, 6 North 2nd St., (e1) $186.327; J. Babman, (f) $9718. Noted July 31 and Sept. 11.

★**Ont., Dundas**—City Council let contracts building sewers, also brick, concrete and steel sewage disposal plant, pumphouse, etc., to F. F. Fry, Toronto, $126,757 and $49,677 respectively; ejectors and piping, to J. Bertram & Sons Co., Dundas, $1500; air compressors, motors and air tank, to Smart-Turner Co., 191 Barton St. E., Hamilton, $2659; c.i. pipes and specials, to Gartshore Pipe & Fdry. Co., Stuart St. W., Hamilton, $2445; sprinkler equipment, valves, etc., in connection with sewage disposal plant, to F. Hankin Co., 20 St. Nicholas St., Montreal, Que., $6888; sewer pipe, to Hamilton & Toronto Sewer Pipe Co., Ltd., Wentworth St. N., Hamilton, $23,867; 3000 ft. 30 in. segmental block, to Toronto Pottery Co., Dominion Bank Bldg., Toronto, $10,175.

★**Ont., Oshawa**—Town let contract supplying and installing 20,000 ft. 8-24 in. vitr. tile sewers in various streets, to McKnight Constr. Co., 88 St. David St., Toronto, $27,880. Noted July 31.

Bridges

PROPOSED WORK

W. Va., Fayetteville—Fayette Co. rejected bids received Sept. 8, building four bridges, two 25 ft. spans over Laurel Creek and two 60 ft. spans over Paint Creek. About $15,000. Work will be readvertised. J. K. McGrath, Fayetteville, engr. Noted Sept. 4.

Wis., Green Bay—See "Streets & Roads."

B. C., Vancouver—City plans to submit by law to authorize expenditure of $160,000 bonds to reconstruct part of Connaught Bridge destroyed by fire, to include steel girders and wood decking, involving 100 tons steel. F. L. Fellowes, City Hall, engr.

Bridges (Continued)

BIDS DESIRED

N. C., Goldsboro—Until Sept. 29, by State Highway Comn., Raleigh, building 350 ft. rein.-con. bridge over Neuse River, here. About $40,000. W. S. Fallis, state highway engr.

N. C., Kinston—Until Oct. 6, by Comrs. Lenoir Co., building 348 ft. steel bridge over Neuse River. About $20,000. R. R. Eagle, Newbern, engr.

Ga., Gainesville—Until Oct. 6, by Comrs. Rds. & Revenues, Hall Co., building steel bridge over Chattahoochee River, 4½ mi. west of Lula. T. L. Adderholdt, clk. bd. Noted Sept. 4.

Wis., Appleton—Until Oct. 15, by City Clerk, building 515 ft. rein.-con. bridge with deck girder span and columns terminating in two abutments, over Fox River, 20 ft. wide with 6 ft. sidewalk. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

Minn., Moorhead—Until Oct. 1, by A. O. Houghum, aud. Clay Co., building Bridge No. 3013 over South Buffalo River near Sabin on State Rd. No. 4, having five 30 ft. I-beam spans and rein.-con. approaches, also one 80 ft. truss span with concrete floor, 5 rein.-con. piers and 2 rein.-con. abutments including piles. About $14,000. E. Martinson, Moorhead, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Quincy**—See "Streets and Roads."

★**N. J., Newark**—Erie R. R., 50 Church St., New York City, let contract building sub-structure for bascule bridge over Passaic River, to Linde & Griffith Co., 4th Ave.; super-structure, to A. McMullen, Doremus Ave. About $100,000.

★**Pa., Stewartstown**—York Co., (York) let contract building 178 ft. rein.-con. arch bridge, 17 ft. wide, stone pier, to G. A. Wagman Bros., Dallastown. About $16,000.

★**Pa., Wilkes-Barre**—Comrs. Luzerne Co. let contract building 174 ft. steel bridge with 3 piers over Black Creek, 18 ft. wide, to G. W. Rockwell, Sunbury, $49,100.

★**O., Columbus**—Bd. Comrs. Franklin Co., let contracts to E. M. Scully, 1431 Eastwood Ave., building superstructure for Hayden Run Bridge over Hayden Run, on Dublin Rd., 66 ft. long and 21 ft. wide, cost $4700, bridge over North Fork of Indian Run on Brand Rd., 32 ft. long, 16 ft. wide, $1600, bridge over North Fork of Indian Run, Washington Twp., 43 ft. long, 16 ft. wide, $2400, bridge over North Fork of Indian Run on Jerome Rd., 38 ft. long, 16 ft. wide, $1900; Columbus Sheet Metal Co., 75-77 West Lynn St., Taylor Bridge over Rocky Fork Creek on Taylor Pike, 45 ft. long, 18 ft. wide, $2595, bridge over Rocky Fork Creek, on Boehm Rd., 42 ft. long, 18 ft. wide, $2515, Taylor Bridge over Rocky Fork Creek, at Lorenzo Taylor Farm, 38 ft. long, 18 ft. wide, $2345, creosoted lumber and block floor on bridge over Black Lick Creek, on Reynoldsburg Pike, 106 ft. long, 18 ft. wide, $4790. Noted Aug. 28.

★**Illinois**—Dept. Pub. Wks. & Bldgs., Springfield, let contract building Mackinaw River Bridge, on Peoria Springfield Highway, Tazewell Co., seven 50 ft. concrete spans and one 170 ft. steel span, 20 ft. roadway, to Porter-McCully Constr. Co. About $63,800. Noted Sept. 4.

★**Ill., Burton**—Town let contract building Coles Bridge, 16 ft. wide, to Joliet Bridge & Constr. Co., $8750. Noted Sept. 11.

★**Ill., Carlinville**—Macoupin Co. let contract to W. R. Cole, building Armor, Sauerwine, Sanders and Corbin bridges, Polk Twp., $13,859; to J. F. Miller, Loveless Bridge, South Otter Twp., $640; to B. Woolfolk, Edminston, Goshen No. 1, No. 2 and Haven Bridges, Barr Twp., $3398, Cline Bridge, Scottville Twp., $852; to Herrick Constr. Co., Kahn Bridge, Shipman Twp., $2367, Chiles and Rhodes Bridges, Polk Twp., $1867. Noted Aug. 21.

★**Ill., Springfield**—E. White, Sangamon Co. Supt. of Highways, let contract to Miller & Husband, 302-3 Workman Bldg., building Glasser Bridge over Sugar Creek at Cotton Hill, one 63-ft. rein.-con. girder span, 16 ft. roadway, involving 221.8 cu.yd. class "A" concrete, 32,350 lb. reinforcing steel, 1106 lb. rockers and plates; also Crows Mill Bridge over Sugar Creek, three 55-ft. rein.-con. girder spans, 20 ft. roadway, Ball Twp., 627 cu.yd. class "A" and 271.6 cu.yd. class "B" concrete, 108,080 lb. reinforcing steel and 3318 lb. rockers and plates. About $22,550.

★**Minn., Fergus Falls**—City let contract building 2 concrete bridges over Red River, one on Court St., other on Union Ave., to Iowa Bridge Co., 317 McKnight Bldg., Minneapolis, $99,150.

★**Minn., Minneapolis**—Comrs. Hennepin Co. let contract building 800 ft. rein.-con. and steel bridge, 24 ft. wide, on Lyndale Ave., to W. S. Hewett, Metropolitan Bank Bldg., $193,878; 840 ft. bridge, 24 ft. wide, over Minnesota River, on Cedar Ave., to Illinois Bridge Co., Gilfillan Blk., St. Paul, $114,940. Noted Sept. 11.

★**Tex., Clarksville**—Red River Co. let contracts furnishing structural and reinforcing steel for bridges on State Highway No. 35, known as "Choctaw Trail," involving 190,736 lbs. structural steel, $.0575 per lb. and 34,934 lbs. reinforcing steel, $.045, to Austin Bros., 1815 Coombs St., Dallas, total cost, $12,515; 40,396 B. M. and Oak flooring, to Norris & Smith, Dallas, $.0425 ft. B. M., $177. Work will be done by day labor with county forces.

★**Okla., Inola**—Comrs. Rogers Co. (Claremore) let contract building steel bridge over Verdigris River, here, to Sullivan & Beecher, Wagoner. About $30,000.

★**Okla., Sageeyah**—Comrs. Rogers Co. (Claremore) let contract building steel bridge over Verdigris River, here, to Missouri Valley Bridge & Iron Wks., 4th and Walnut Sts., Leavenworth, Kan. About $34,000.

★**Wash., Richmond** — State Highway Comn., Olympia, let contract building 190 ft. steel span bridge over Yakima River, between here and Kennewick, Benton Co., to Union Bridge Co., foot of Fenwick and Kenton Sts., Portland. About $45,000. Noted July 10.

★**Wash., Spokane**—City let contract building 180 ft. concrete bridge, 35 ft. wide, with 5 ft. sidewalks, over Hangman Creek on West Riverside Ave., to C. A. McClung, Spokane, $23,499. Noted July 17.

Oregon—State Highway Comn., Portland, received bids Sept. 9, building 3 bridges and 2 culverts on Amity-Holmes Gap Sect. West Side Highway, Polk and Yamhill Counties, from A. D. Kern, foot of Mill St., Portland, $18,180; one 40 ft. rein.-con. bridge over Crow Creek near Junction City, from Union Bridge Co., foot of Fenwick-Kenton Sts., Portland, $6659. Noted Sept. 18.

Oregon—State Highway Comn., Portland, received bids building rein.-con. bridge over Sand Creek, Douglas Co., from Union Bridge Co., foot of Fenwick-Kenton Sts., $11,954; C. Gardner, $12,277; Baker Bros., $12,880. Contractors all of Portland. Noted Sept. 18.

Structural Steel

PROPOSED WORK

Pa., Wilkes-Barre—See "Buildings."

B. C., Vancouver—See "Bridges."

BIDS DESIRED

Ga., Gainesville—See "Bridges."

Ont., Oshawa—See "Industrial Works."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pa., Wilkes-Barre**—See "Bridges."

★**Ont., Kitchener** — See "Industrial Works."

Reinforced Concrete

PROPOSED WORK

Mich., Menominee — See "Industrial Works."

Ont., Ft. William — See "Industrial Works."

B. C., Vancouver—See "Buildings."

PRICES AND CONTRACTS AWARDED

★**Mass., New Bedford**—See "Industrial Works."

★**Ia., Manning**—See "Industrial Works."

Minn., Minneapolis—See "Bridges."

★**Ont., Hamilton** — See "Industrial Works."

Streets and Roads

PROPOSED WORK

N. Y., Eastwood—Village voted $75,000 bonds to pave principal streets.

N. J., Bayonne—City soon lets contract improving Ave. A from West 22nd to West 24th Sts., involving 3000 sq.yd. asphalt, 1200 cu.ft. bluestone, curbing, 1500 cu.yd. earth and 10 cu.yd. rock excav., cost, $110,000; Ave. A from City Park to West 22nd St., 4000 sq.yd. asphalt, 8000 sq.ft. new concrete flagging, 1300 cu.yd. earth and 20 cu.yd. rock excav., 1500 lin.ft. bluestone curbing, 10 sq.ft. bluestone flag relaid, 100 lin.ft. bluestone header, etc. $10,000.

N. J., Edgewater—Town having plans prepared improving River Rd. by laying cushion of sand and granite blocks on 8 in. concrete base. About $500,000.

N. J., Newark—Bd. Freeholders Essex Co. soon receives bids repairing Center St., Avondale Rd., and East Passaic Ave., Nutley, also Bloomfield, Gregory and Central Aves., West Orange. About $200,000.

Pa., Pittsburgh—City plans to grade, pave and curb McGinnis Ave., 24 ft. wide. Work involves 1780 sq.yd. vitr. brick, 1330 lin.ft. stone curbing and 2000 cu.yd. earth embankment. About $12,000. Harrop & Hopkins, Home Trust Bldg., engrs.

W. Va., Grafton—Comrs. Taylor Co. plan to surface and drain 1.5 mi. Northwestern Turnpike, involving 6000 cu.yd. excav. and 11,733 sq.yd. concrete. About $40,360. J. A. Sincell, Grafton, engr.

W. Va., Warwood—City voted $150,000 bonds to pave various streets. Kollar & Conrad, Schmulbach Bldg., Wheeling, engrs. Noted July 24.

W. Va., Webster Springs—Comrs. Webster Co. having plans prepared by J. W. Hancock, engr., Webster Springs, building and draining 3 mi. Webster Springs-Point Mountain Rd., involving 27,000 cu.yd. excav. About $32,300. Federal Government has been asked to appropriate ½ of cost.

W. Va., Wheeling—See "Miscellaneous."

North Carolina—State Highway Comn., Raleigh, plans to gravel 28 mi. road between Craven Co. and Lenoir Co. lines, via Pollocksville and Trenton, Jones Co., cost $100,000, 42 mi. road between Jones Co. and Pender Co. lines, via Jacksonville, Onslow Co., $150,000; 25½ mi. road from Pender Co. to New Hanover Co. lines, Pender Co., $100,000; 5½ mi. road, Yancey Co., $20,000; 29 mi. road between Martin Co. and Tyrrell Co. lines, via Plymouth, Washington Co., $100,000; 20 mi. road between Leechville bridge and Swan Quarter, Hyde Co., $73,000; 31 mi. road between Virginia line and Alamance Co., Caswell Co., $100,000; hard surface 1 mi. Smithfield Rd., Wake Co., $32,000, 6 mi. road, Davidson Co., $100,000, and 18 mi. road between Edenton and Gates Co. line, Chowan Co., $500,000. W. S. Fallis, state highway engr.

N. C., Clinton—City plans to pave various city streets with asphalt. About $150,000. Engineer not selected.

Fla., West Palm Beach—See "Waterworks."

La., Crowley—Acadia Parish voted $300,000 bonds to build gravel roads in 4th and 7th wards.

O., Dayton—City plans election soon to vote on $1,738,500 bonds to improve sections of 1st, 4th, Jefferson, Ludlow, Monument, Perry, St. Clair, 2nd, Stratford, Wilkinson, Belmont Park, Delaware, Grafton, East and West Harvard, Homewood, Marathon, River, Riverside, Drive, Richmond, Brandt, Troy, Webster, Valley, Dakota, Keowee, Germantown, Hopeland, Western, Cincinnati, 5th, 3rd, Washington, Brown, North and South Main, 6th, East 3rd, St. Paul, Wayne, Warren, Xenia, Garland, Holly, Johnson, Klee Court, and Wilmington Sts., and Home Ave., also building sewers in Sewer Dist. Nos. 8 and 10—Dayton View Relief Sewer, Dist. No. 9—Riverdale Relief Sewer, Dist. No. 3—North Dayton Relief Sewer, Dist. A—East Dayton Relief Sewer. O. E. Eichelberger, city engr.

Mich., Detroit—City soon lets contract paving Harper Ave. from Van Dyke Ave. to Gratiot Ct., 46 ft. wide, less double track space, sheet asphalt on concrete foundation, Berea or Medina curbstone, involving 7918 cu.yd. excav., 7504 lin.ft. curbstone, 13,828 sq.yd. paving, 804 sq.yd. granite, etc.; also paving with 1 course concrete Alley No.

Streets and Roads (Continued)

1089 between Chene, Adele and Thombley Sts., 18 ft. wide, No. 1090 between Wilson, Byron and Longfellow Aves. and Chicago Blvd., 20 ft. wide, No. 1091 between Military, Cavalry, Cadet and Dix Aves., 20 ft. wide, No. 1092 between St. Aubin, Dubois, Forest and Hancock Aves., 18-20 ft. wide, No. 1093 between Woodward Ave., John R St., Marston Ct. and Mt. Vernon Ave. 20 ft. wide, No. 1094 between Grand Blvd., Field Ave., Theodore and Frederick Sts., 18 ft. wide, No. 1095 between Hamilton Blvd., 3rd St., Blaine and Gladstone Aves., 18 ft. wide, No. 1096 between Firwood, Allendale, Grand River and Pacific Aves., 20 ft. wide, No. 1097 between Pennsylvania, Cadillac, Kercheval and Waterloo Aves., 20 ft. wide, No. 1098 between Woodward Ave., John R St., Arden Park and Boston Blvd., 20 ft. wide, involving 4433 cu.yd. excav., 15,510 sq.yd. paving, 363 cu.yd. concrete, etc. C. W. Hubbell, city engr.

Illinois—D. O. Thomas, supt. highways, Springfield, receives bids about Oct. 15, paving and reconstructing Belleville-Freeburg Rd. between Belleville and Illinois Central R.R. tracks, 24 ft. wide, bituminous concrete and bituminous macadam. About $40,000.

Wis., Green Bay—Bd. Supervs. Brown Co. adopted $290,000 bond issue to build highways and three concrete bridges.

Wis., Madison—Dane Co. plans to issue $10,000,000 bonds to build and improve new highways, preferably concrete. A. R. Hirst, c/o State Highway Dept., engr.

Wis., Racine—Racine Co. voted $2,350,000 bonds to build concrete roads.

Wis., Shorewood—City plans to grade and pave 2.1 mi. Larkin St. and Shorewood Ave., 16-18 ft. wide, involving 7500 sq.yd. concrete. About $15,000. F. W. Ullins, 1228 Murray Ave. engr.

Minn., Bemidji—Comrs. Beltrami Co. rejected bids received Sept. 2, clearing, grubbing, grading, ditching and improving 4½ mi. State Rd. No. 11, Job No. 1903, Co. Rd. No. 123, Job No. 1907, Co. Rd. No. 16 and 24, Job No. 1914, Co. Rd. No. 15, Job No. 1904, Co. Rd. No. 113, Job No. 1905. Work will be readvertised in spring. About $26,000. S. D. Snyder, Bemidji, engr. Noted Aug. 28.

Minn., Duluth—City soon receives bids paving 52 blocks London Rd. from 8th Ave. E. to 60th Ave. E., 18 ft. wide, asphalt or bithulitic cost, $152,460; 5 blocks Raleigh St. from Central to Grand Ave., 42 ft. wide, asphalt or concrete, $78,941. J. A. Farren, comr.

Minn., Fairmont—L. Mischke, city clk., soon lets contract for 2200 ft. earth road in Sect. 24 at Rose Lake bridge, involving 2552 yd. excav., 612 ft. overhaul and 466 yd. turnpike. About $20,000. G. A. Taber, Fairmont, engr.

Kan., Anthony—City having plans prepared by C. C. Eastham, engr., Anthony, paving 10 blocks North and South Kansas, South Bluff and North Franklin Sts.

Montana—State Highway Comn., Helena, plans to gravel surface 29 mi. Sun River-Choteau Rd. (continuation of Sun River Rd.), Teton Co., cost $116,000; grade 19 mi. Great Falls-Lewiston Rd., Fergus Co., $65,000; pave 11 mi. Anaconda-Butte Rd., Deer Lodge Co., $300,000; grade 23 mi. Hilger-Roy Rd., Fergus Co., $80,000. Federal Government has been asked to appropriate toward cost. J. N. Edy, Helena, engr.

Mont., Missoula—Missoula Co. voted $250,000 bonds to build roads.

Mo., Bloomfield—Stoddard Co. soon receives bids building 6 mi. hardsurfaced roads, 15 ft. wide, Castor Twp. About $95,000.

Mo., Maplewood (St. Louis P. O.)—G. D. Komar, city clk., soon lets contract paving, grading and improving St. Elmo St. from Commonwealth to Manhattan Aves. and from Cambridge to Greenwood Aves. About $50,000. W. Elbring, Clayton, engr.

Mo., Potosi—H. C. Bell, city clk., soon receives bids building Potosi Highway through Belgrade Twp. About $25,000. J. P. Townsend Potosi, engr.

Mo., St. Louis—Bd. Pub. Serv. soon receives bids building alley from Colorado St. to Louisiana Ave. between Wilmington Ave. and Dover Pl., alley from Rebecca to Keokuk Aves. between Grand and Giles Aves., and alley from Geyer to Lafayette Aves. between Jefferson and Texas Aves. About $100,000. C. E. Smith, city engr.

Mo., Webster Groves (St. Louis P. O.)—City soon receives bids paving 2200 ft. Clark Ave. from Summit to Yeatman Aves. Former bids rejected. R. L. Wilson, clk. Noted July 24.

Ark., Batesville—City having plans prepared by W. R. Heagler & Sons, engrs., Paragould, grading, paving, building curbs, gutters and storm sewers in 9 mi. various streets.

Tex., Beaumont—Jefferson Co. plans to pave and drain 3.99 mi. Highway No. 8, known as Beaumont-Pt. Arthur Rd., 16 ft. wide, concrete with 2 in. asphalt top. About $150,480. D. R. Thornton, Beaumont, engr.

Tex., Caldwell—Burleson Co. election Oct. 18, to vote on $1,000,000 bonds to build State Highways Nos. 3 B, 21 and 36. W. M. Hilliard, co. judge.

Tex., Ft. Worth—Tarrant Co. plans to gravel surface and build 300 mi. roads, 17 mi. concrete and 200 mi. gravel, 16-20 ft. wide. About $3,650,000. Noted Aug. 7.

Tex., Granbury—Hood Co. plans to build 30 mi. sand gravel surfaced roads, also bridges and culverts. About $210,000. H. E. Firman, Granbury, engr.

Tex., Hemphill—Sabine Co. plans to iron ore gravel surface and build rein.-con. drainage structures on 13.69 mi. Highway No. 8A from here to Geneva, 15 ft. wide. About $119,088. L. Acker, Nacogdoches, engr.

Tex., Karnes City—Karnes Co. plans election to vote on $300,000 bonds to build 12 mi. King Trail Highway, Kenedy Rd. Dist.

Tex., Menard—Menard Co. plans election to vote on $100,000 bonds to build roads. J. D. Scruggs, co. judge.

Tex., Paducah—Cottle Co. voted $200,000 bonds to build roads. W. J. Arrington, co. judge.

Tex., Waco—McLennan Co. plans to surface 5.3 mi. Highway No. 7 from here to Tehuacana, bituminous topping, involving 23,320 gal. material, 46,640 sq.yd. cover material, 4000 cu.yd. excav. and 2000 cu. yd. shoulder gravel. About $17,500. M. Hannah, Waco, engr.

Okla., Bristow—City having plans prepared by D. W. Tatershall, engr., Bristow, paving 1800 sq.yd. Main St., concrete. About $60,000.

Oregon—State Highway Comn., Salem, plans to macadamize 7 mi. Redmond-Bend Sect. The Dalles-California Highway, providing Deschutes Co. does the grading. About $175,000 and $60,000 respectively. H. Nunn, state highway engr.

Ore., Albany—City plans to grade and pave roadway of Salem Rd., also grade, drain and pave 1st St. About $10,000. L. G. Lewelling recdr.

Ore., Astoria—City Council adopted resolution to pave, grade and build sidewalks on Floral Ave. from Columbia to Alameda Sts., 24 ft. wide concrete, grading and paving 14th St. from Duane to Commercial Sts., Exchange St. from 10th to 13th Sts., 13th St. from Exchange to Duane Sts. and Duane St. from 13th to 14th Sts. Cost to exceed $20,000. E. G. Gearhart, city aud.

Ore., Pendleton—City Council adopted resolution to pave, drain, level and curb, Garfield St. from Jackson to Martin Sts. and Lincoln St. from Riley to Jackson Sts., concrete or asphaltic concrete. Cost to exceed $10,000. F. B. Hays, city engr.

Ore., Pendleton—Umatilla Co., plans to grade, drain and gravel 6 mi. Freewater-Umapine Rd., cost $35,000; 11 mi. Pendleton-Pilot Rock Rd., $70,000; 10 mi. Havana-Helix Rd., $90,000. R. E. Phelps, co. engr.

Ore., Portland—City having preliminary plans made for eliminating curve in Fairmount Blvd. near Portland Ry., Light & Power Co.'s track, and making straight course by placing roadway under track. Work will consist of grading, paving and tunneling. Cost to be borne by city, Multonomah Co. and Portland Ry. Light & Power Co. About $25,000. O. Laurgaard, city engr.

Ore., Portland—City Council adopted resolution to grade, pave, drain, build sidewalks and curbs on Hodge St., et al, cost $5911 and East 53rd St. from East Stark to East Gilsan Sts., $5924. O. Laurgaard, city engr.

Ore., Prineville—Crook Co. plans election to vote on $120,000 bonds to build and surface road connecting with State Highways and links between roads receiving Federal aid.

Ore., The Dalles—City Council soon lets separate contracts paving East Link Dalles City-Columbia River Highway, standard bitulithic redress on macadam base requiring 4000 sq. yd. bitulithic and 4200 cu.yd. excav.; East Link Dalles City-Columbia River Highway, engineers station 0 plus 00 to 4 plus 00, requiring 1008 cu.yd. rubble masonry, 150 sq.yd. slope walls and 425 cu.yd. excav. P. W. Marx, city engr.

Cal., Oakland—City having plans prepared by M. Campbell, engr., City Hall, improving Hopkins, Kanning and Kansas Sts., 35th and 38th Aves., involving 73,120 sq.ft. grading, 3354 sq.ft. regrading, 3428 lin.ft. concrete curbing, 9919 sq.ft. concrete gutter, 7395 sq.yd. oil macadam paving, 1057 lin.ft. 10-18 in. sewer pipe, culverts, etc.

Ont., Belleville—City having plans prepared by J. G. Mill, engr., Belleville, for 2100 sq.yd. asphaltic concrete and 1600 lin.ft. concrete curbing and guttering. About $13,000.

Ont., Ft. William—Dept. Pub. Wks., Ottawa, plans to improve 130 mi. trunk roads in Thunder Bay Dist. and from here to Nipigon, 16-20 ft. wide, macadam. About $115,000. R. De B. Corriveau, c/o Dept. Pub. Wks., engr.

Ont., Windsor—City Council plans to build 22,000 ft. concrete sidewalks, 4-6 ft. wide on sections of Dufferin Pl., Gladstone, Moy, Hall, Langlois, Janet, Louis, Cameron and McKay Aves., Benjamin, Huron, Ottawa, Goyeau, Pine and Ontario Sts. About $30,000. M. A. Brian, Windsor, engr.

BIDS DESIRED

N. Y., Brooklyn—Until Oct. 1, by E. Riegelmann, boro pres., regulating and paving with permanent asphalt on 6 in. concrete foundation, roadway of 86th St. from 22nd Ave. to Bay 37th St.

N. Y., Long Island City—Until Sept 30, by M. E. Connolly, pres. Queens Boro., regulating and repaving with sheet asphalt on concrete foundation between curbs and outside rail, on Jackson Ave. from Bridge Plaza to 2nd Ave., 1st Ward, regulating and grading sidewalks and gutter spaces and laying sidewalks on Chaffee St. from Hughes St. to Chaffe Pl., 2nd Ward, east side 149th St. from Sanford to Beach Aves., 3rd Ward, northerly side of Wayne St. from Griffith to Morton Aves., 2nd Ward, regulating, grading and laying gutters from Queens Blvd. to Skillman Ave. and curbing and flagging, from Queens Blvd. to Skillman Ave. on westerly side and to Foster Ave. on easterly side, Lowery St., 1st Ward, regulating, grading, curbing and laying sidewalks and gutters on Broad St. from Clinton Ave. to Grand St., 2nd Ward.

N. J., Trenton—Until Sept. 30, by Bd. Freeholders Mercer Co., repairing 8211 sq.yd. East Clinton Ave. or Norringham Way from Pennsylvania R. R. to Greenwood Ave., involving 8211 sq.yd. sheet asphalt, and 1078 sq.yd. Hillside brick. About $50,000. H. F. Harris, co. engr.

Pa., Ebensburg—Until Oct. 3, by Supervs. Barr. Twp., c/o Cambria Co., furnishing labor and materials for building 1.5 mi. Barr Twp. Rd., 20 ft. wide, concrete on 5 in. base. About $70,000. C. E. Schlicher, Spanger, engr.

Pa., Waynesburg—Until Oct. 4, by Comrs. Greene Co., laying 5280 lin.ft. rein.-con. and vitr. brick pavement, 16 ft. wide, in Franklin and Center Twps. Address D. Six, G. Moore and J. S. Johnson, co. comrs.

Pa., Wilkinsburg—City receiving bids repaving Hill Ave. from Swissvale Ave. to Montier St., Ross Ave. from Wood St. to Centre Ave., Hay St. to end of present pavement. Work involves 3704 sq.yd. vitr. brick, 2733 sq.yd. wood block or vitr. brick on 8 in. concrete base, 3500 lin.ft. stone curbing and 1000 cu.yd. old brick and foundation; also building rein.-con. arched culvert to cover portion of Nine Mile Run from Coal to Ross Sts., 70 lin.ft. in 7 ft. section and 196 lin.ft. in 10 ft. section. Frease & Sperling, Wilkinsburg, engrs.

Maryland—Until Sept. 30, by State Rds. Comn., 601 Garrett Bldg., Baltimore, building .75 mi. Defense Highway between Camp Parole and Chesterfield. Federal Aid Project No. 28, Contr. AA-12, and .59

Streets and Roads (Continued)

mi. highway between Benfield and Seven Cross Rds., Federal Aid No. 36, Contr. AA-16, concrete, Anne Arundel Co.; 2 mi. highway from Boonsboro to Keedysville, Federal Aid Project No. 35, Contr. W-17, concrete or asphalt, Washington Co.; 5.86 mi. highway from Great Mills to Millstone Landing, Federal Aid Project No. 32, Contr. SM-12, gravel, St. Mary's Co. F. H. Zouck, chn.; advertised in this issue.

Va., Petersburg—Until Oct. 3, by Street Comn., improving Bollingbrook St., involving 5000 sq.yd. concrete paving, 2200 ft. steel bound concrete curb and 1800 sq.yd. concrete sidewalk. R. D. Budd, city engr.

W. Va., Wayne—Until Oct. 6, by Comrs. Wayne Co., grading and draining 1 mi. Wayne-Kenova Rd., 24 ft. wide, near Kenova. About $14,000. H. A. Levering, Ceredo, engr.

N. C., Goldsboro—Until Oct. 9, by city, improving Main St., involving 100,000 sq. yd. pavement, 55,000 lin.ft. combined curb and gutter and 5000 sq.yd. sidewalks. About $300,000. J. L. Ludlow, Winston-Salem, engrs. Noted July 31.

Ga., Monroe—Until Oct. 1, by Comrs. Rds. & Revenues Walton Co., building 8.2 mi. top soil road from here to Jersey. Work involves 3.5 acres clearing and grubbing, 730 lin.ft. 12-24 in. culvert, 132 lin.ft. 30-36 in. segment block culvert, 270 lin.ft. 12-18 in. galvanized corrugated iron culvert, 59 cu.yd. class A concrete box culvert, 117 cu. yd. Class B concrete headwalls, 50,600 cu.-yd. excav., 3500 cu yd. overhaul, 17,500 cu.-yd. top soil surfacing and 5600 lb. rein. steel. T. C. Aycock, chm.

Fla., Sanford—Until Oct. 6, by Comrs. Seminole Co., grading, paving, building bridges and culverts on 6200 ft. Roadway No. 1, Rands Siding; 5420 ft. Roadway No. 2, Orange Blvd.; 35,000 ft. Roadway No. 3, Chuluota Rd.; 6954 ft. Roadway No. 4, Geneva Rd.; 40,000 ft. Roadway No. 5, Paola Rd.; 13,530 ft. Roadway No. 6, Cameron Ave. and Moore's Rd.; 2160 ft. Roadway No. 7, road along west limits of city; 8600 ft. Roadway No. 8, Sanford Ave.; 1590 ft. Roadway No. 9, Richmond Ave.; 1300 ft. Roadway No. 10, Brisson Ave.; 1300 ft. Roadway No. 11, Sipes Ave.; 44,970 ft. Roadway No. 12, Geneva-Oviedo Rd. and 9775 Roadway No. 13, French Ave. and Cemetery; alternate bids will be received on brick, concrete, asphalt, bituminous, surface treated or waterbound macadam or shell. Williams & Collier, of Sanford, and G. R. Ramsey, Orlando, engrs.

Tenn., Morristown—Until Sept. 30, by city, paving, draining, excavating and building sidewalks on 40,000 sq.yd. main streets. About $175,000.

Minn., Duluth—Until Feb. 1, by J. A. Farrell, city comr., paving 3350 ft. Raleigh St. from Central to Grand Aves., 42 ft. wide, involving 168,000 sq.yd. concrete paving, cost, $78,941; 9500 ft. Grand Ave. from 59th to 84th Aves., W., 18 and 42 ft. wide, 37,150 sq.yd. concrete, 19,000 lin.ft. concrete curbing and 12,000 cu.yd. earth excav., $157,580; 25,700 ft. London Rd. from 8th Ave., E., to 60th Ave., 18 ft. wide, 10,000 sq.yd. concrete and 4300 cu.yd. earth excav., $152,460. E. K. Coe, city engr.

Minn., Le Sueur Center—Until Oct. 7, by S. McMillan, aud. Le Sueur Co., improving State Rd. No. 5, Federal Aid Project No. 89, involving 10 acres clearing, 95 000 cu.yd. grading, 175 000 cu.yd. overhaul, 52,-020 lin.ft. tile drain, 237,000 sq.yd. paving, culverts, etc. About $100,000. R. F. Nichols, Le Sueur Center, engr.

Kan., Kansas City—Until Oct. 4, by Comrs. Wyandotte Co. grading, paving and building culverts on 1¼ mi. road, 16 ft. wide. O. K. Williamson, co. engr.

Mo., Charleston—Until Oct. 1, by Mississippi County Court, grading, draining, paving and building culverts on 15.3 mi. Poplar Bluff-Cairo Rd. from Charleston to Bird's Point, 16 ft. wide, earth shoulders, involving 142,666 cu.yd. 2 course concrete on concrete base, 8 in. center and 6 in. sides, cost $462,603, also one 10 ft. and one 60 ft. steel span bridge, concrete abutments, etc., $14,096, total cost, $476,788. Noted Sept. 18.

Mo., Clayton—Until Oct. 1, by St. Louis Co., grading and paving Kirkham Rd. from Berry to Collins Rds., waterbound macadam on Telford base. W. Elbring, Clayton, engr.

SEWERAGE SYSTEM—SOUTH CHARLESTON, W. VA.

Bids were received by city, Aug. 15th, for constructing sewerage system, from (A) H. J. McNichols Co., 924 South Kilbourne Ave., Chicago, (awarded contract); (B) W. J. Weakland, Charleston; (C) Reed, Lapsley & Hurley, South Charleston. The unit bids were as follows:

	A	B	C
970 ft. 8-in. vitrified sewer in 2 to 4 ft. cut	$1.30	$0.85	$0.96
1,980 ft. 8-in. vitrified sewer in 4 to 6 ft. cut	1.30	1.10	1.14
18,350 ft. 8-in. vitrified sewer in 6 to 8 ft. cut	1.30	1.20	1.36
4,940 ft. 8-in. vitrified sewer in 8 to 10 ft. cut	1.30	1.47	1.75
700 ft. 8-in. vitrified sewer in 10 to 12 ft. cut	1.30	1.70	2.02
365 ft. 8-in. vitrified sewer in 12 to 14 ft. cut	1.40	2.50	2.29
620 ft. 8-in. vitrified sewer in 14 to 16 ft. cut	1.40	3.25	2.62
600 ft. 10-in. vitrified sewer in 2 to 4 ft. cut	1.25	1.15	1.14
100 ft. 10-in. vitrified sewer in 4 to 6 ft. cut	1.25	1.30	1.42
2,800 ft. 8-in. vitrified sewer in 6 to 8 ft. cut	1.25	1.50	1.58
1,980 ft. 8-in. vitrified sewer in 8 to 10 ft. cut	1.25	1.90	2.02
280 ft. 8-in. vitrified sewer in 10 to 12 ft. cut	1.25	2.20	2.20
160 ft. 8-in. vitrified sewer in 12 to 14 ft. cut	1.75	2.70	2.35
100 ft. 8-in. vitrified sewer in 14 to 16 ft. cut	1.75	3.00	2.67
130 ft. 8-in. vitrified sewer in 16 to 18 ft. cut	1.75	3.50	3.20
130 ft. 8-in. vitrified sewer in 18 to 20 ft. cut	2.25	4.00	4.64
60 ft. 8-in. vitrified sewer in 20 to 22 ft. cut	2.25	6.00	7.17
200 ft. 12-in. vitrified sewer in 4 to 6 ft. cut	1.50	1.25	1.42
2,125 ft. 12-in. vitrified sewer in 6 to 8 ft. cut	1.50	1.90	1.97
1,010 ft. 12-in. vitrified sewer in 8 to 10 ft. cut	1.50	2.25	2.29
430 ft. 12-in. vitrified sewer in 10 to 12 ft. cut	1.50	2.55	2.57
30 ft. 15-in. vitrified sewer in 4 to 6 ft. cut	1.75	1.70	1.75
360 ft. 15-in. vitrified sewer in 6 to 8 ft. cut	1.75	2.10	2.14
340 ft. 15-in. vitrified sewer in 8 to 10 ft. cut	1.75	2.40	2.41
270 ft. 15-in. vitrified sewer in 10 to 12 ft. cut	1.75	2.80	2.74
70 ft. 18-in. vitrified sewer in 6 to 8 ft. cut	2.50	2.75	2.65
910 ft. 18-in. vitrified sewer in 8 to 10 ft. cut	2.50	3.20	2.75
20 ft. 18-in. vitrified sewer in 10 to 12 ft. cut	2.50	3.50	2.90
150 ft. 18-in. vitrified sewer in 12 to 14 ft. cut	2.50	4.00	3.15
130 ft. 18-in. vitrified sewer in 14 to 16 ft. cut	3.65	4.15	3.50
190 ft. 18-in. vitrified sewer in 16 to 18 ft. cut	3.65	4.25	3.90
250 ft. 18-in. vitrified sewer in 18 to 20 ft. cut	3.65	4.50	4.40
100 ft. 18-in. vitrified sewer in 20 to 22 ft. cut	3.65	5.75	5.95
80 ft. 20-in. vitrified sewer in 4 to 6 ft. cut	3.00	2.50	2.29
130 ft. 20-in. vitrified sewer in 6 to 8 ft. cut	3.00	2.75	2.68
180 ft. 20-in. vitrified sewer in 8 to 10 ft. cut	3.00	3.00	2.96
140 ft. 20-in. vitrified sewer in 10 to 12 ft. cut	3.00	3.25	3.29
80 ft. 20-in. vitrified sewer in 12 to 14 ft. cut	3.00	3.50	3.86
405 ft. 20-in. vitrified sewer in 14 to 16 ft. cut	3.00	4.30	4.52
160 ft. 24-in. vitrified sewer in 6 to 8 ft. cut	3.75	3.50	3.6
170 ft. 24-in. vitrified sewer in 8 to 10 ft. cut	3.75	3.80	3.9
20 ft. 24-in. vitrified sewer in 10 to 12 ft. cut	3.75	4.15	4.2
310 ft. 27-in. vitrified sewer in 6 to 8 ft. cut	5.00	4.75	4.8
20 ft. 27-in. vitrified sewer in 8 to 10 ft. cut	5.00	5.00	5.16
40 ft. 30-in. vitrified pipe sewer in 2 to 4 ft. cut	5.50	3.75	4.00
340 ft. 30-in. vitrified pipe sewer in 4 to 6 ft. cut	5.50	3.75	4.25
140 ft. 30-in. vitrified pipe sewer in 6 to 8 ft. cut	5.50	4.00	4.65
200 ft. 30-in. vitrified pipe sewer in 8 to 10 ft. cut	5.50	4.50	4.90
20 ft. 33-in. segmental tile sewer in 6 to 8 ft. cut	8.00	7.25	7.27
90 ft. 33-in. segmental tile sewer in 8 to 10 ft. cut	8.00	7.50	7.66
560 ft. 33-in. segmental tile sewer in 10 to 12 ft. cut	8.00	7.80	7.93
170 ft. 33-in. segmental tile sewer in 12 to 14 ft. cut	8.00	8.00	8.21
230 ft. 33-in. segmental tile sewer in 14 to 16 ft. cut	9.00	8.60	8.70
410 ft. 33-in. segmental tile sewer in 16 to 18 ft. cut	9.00	10.00	10.15
200 ft. 33-in. segmental tile sewer in 18 to 20 ft. cut	9.00	10.50	10.70
120 ft. 42-in. segmental tile sewer in 8 to 10 ft. cut	12.00	9.00	8.86
1,020 ft. 42-in. segmental tile sewer in 10 to 12 ft. cut	12.00	9.15	9.14
100 ft. 42-in. segmental tile sewer in 12 to 14 ft. cut	12.00	9.25	9.42
200 ft. 42-in. segmental tile sewer in 14 to 16 ft. cut	12.00	9.50	9.69
375 6-in. house inlets on 8-in. sewer	1.00	2.20	2.22
70 6-in. house inlets on 10-in. sewer	1.50	2.50	2.49
20 6-in. house inlets on 12-in. sewer	1.90	2.65	2.92
5 6-in. house inlets on 15-in. sewer	2.90	3.35	3.47
15 6-in. house inlets on 18-in. sewer	4.00	4.50	4.47
15 6-in. house inlets on 20-in. sewer	4.80	5.00	5.11
2 6-in. house inlets on 24-in. sewer	7.25	7.00	6.76
2 6-in. house inlets on 27-in. sewer	13.00	17.50	17.85
2 6-in. house inlets on 30-in. sewer	14.50	18.00	18.50
5 6-in. house inlets on 33-in. sewer	1.00	5.00	1.25
5 6-in. house inlets on 42-in. sewer	1.00	5.00	1.25
500 cu.yd. rock excavation	5.00	7.00	7.00
1,000 lb. reinforcing steel	.10	.05	.05
East River outlet, material and construction (lump sum)	3,500.00	4,000.00	3,875.80
West River outlet, material and construction (lump sum)	6,000.00	4,500.00	5,450.00
3 crossings under C. O. R.R. tracks (lump sum)	1 750.00	1,500.00	1,109.60
50M. ft. sheeting, left in place	50.00	50.00	50.00
5M. ft. plank foundation, left in place	50.00	50.00	75.00
1,500 ft. brick or concrete manhole construction	10.00	10.00	10.50
200 cu.yd. earth excavation	.75	.75	.75
5 cu.yd. Class A concrete	12.00	17.50	12.00
20 cu.yd. Class B concrete	10.00	15.00	10.00
5 cu.yd. brick work	12.00	15.00	15.00
Extended totals	$135,276	$140,628	$141,831

Mo., St. Louis—Until Oct. 7, by Bd. Pub. Serv., building granitoid sidewalks on both sides of California St. from Osceola to Charlton St. from Bway. to Nebraska St., Grand Ave. from Eichelberger to Neosho Aves., 6 ft. wide; California St. from Charlton to Meramac Sts., Beethoven St. from Gravois to Morganford Rds., Delor Ave. from Alaska to Grand Aves, Austria Ave. from Helvetia Ave. to Gravois Rd., 5 ft. wide; one side Nagel Ave. from Gravois Rd. to Brunswick Ave., 4 ft. wide. C. E. Smith, city engr.

Arkansas—Until Oct. 1, by State Highway Dept., Little Rock, paving 25 mi. road in Morrillton Special Rd. Dist., involving 125,000 sq.yd. pavement. About $500,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

Ark., Batesville—Until Sept. 29, by Comrs. Road Impvt. Dist. No. 2, Independence Co., building 36.7 mi. waterbound macadam and gravel roads, involving 51 acres clearing and grubbing, 81,-400 cu.yd. excav., 2427 lin.ft. 12-36 in. pipe culverts, 1020 cu.yd. concrete bridges, piers, abutments, etc. Dickinson & Watkins, Batesville, engrs.

Ark., Batesville—Until Sept. 29, by Comrs. Road Impvt. Dist. No. 1, Independence Co., building 20 mi. gravel road, involving 10 acres clearing and grubbing, 2540 lin.ft. 12-36 in. pipe, 35,168 cu.yd. excav., 262 cu.yd. concrete, 61 lin.ft. 1 beam and 315 lin.ft. timber bridges. Dickinson & Watkins, Batesville, engrs.

Tex., Dallas—Until Oct. 6, by C. E. Gross, aud. Dallas Co., grading 11.5 Dal-

Streets and Roads (Continued)

las-Denton Rd., State Highway No. 40, from here to Carrollton.

Tex., Ranger—Until Oct. 2, by M. A. Turner, city mgr., furnishing labor and material for construction of 1400 sq.yd. pavement, 26,000 cu.yd. excav. and 37,000 lin.ft. combined curb and gutter. Elrod Co., 2094 Lane St., Dallas, engrs.

Tex., San Antonio—Until Oct. 2, by F. Fries, city clk., paving 10th St. from Ave. C. to Austin St., bitulithic, bituminous trap rock or asphalt.

Okla., Collinsville—Until Oct. 13, Bd. City Comrs., paving 25 blocks with asphaltic concrete, brick blocks or rein.-con. About $150,000. Johnson & Benham, Firestone Bldg., Kansas City, Mo., engrs. Noted Sept. 18.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Massachusetts**—State Highway Comn., Boston, let contract building 5¼ mi. Shelburne Mountain Highway, 18 ft. wide, Greenfield Twp., to Coleman Bros., Chelsea, $253,808. Work involves 9400 cu.yd. concrete, 43,510 cu.yd. earth and 9560 cu.yd. rock excav.

★**Mass., Quincy** — Metropolitan Park Comn., Boston, let contract building Furnace Brook Parkway, here, 18-22 ft. wide, to Coleman Bros., Chelsea, $33,399. Work involves 265 lin.ft. stone guttering, 15,000 cu.yd. rock excav., 2030 ft. 10-12 in. vitr. pipe, 2 rein.-con. culverts. Noted Jan. 16.

★**N. Y., Brooklyn**—E. Riegelmann, boro. pres., let contract to C. A. Meyers, foot of Stagg St., regulating and grading Cleveland St. from New Lots Rd. to Hegeman Ave., $5960, regulating, curbing and laying sidewalks on Cleveland St. from New Lots Rd. to Hegeman Ave., $3377; to L. Mangieri, 190-31st St., West 11th St., $5242; to Consolidated Asphalt Paving Co., 52-9th St., regulating, curbing and paving, Colonial Rd. from 76th to 77th Sts., $6089, regulating and paving Colonial Rd. from 85th to 86th Sts., $7186, New Utrecht Ave., $4603, 20th Ave., $6567; to C. Gallagher, 66th St., $1403, West 11th St., $4047; to Sicilian Asphalt Paving Co., 41 Park Row, New York City, 66th St. from 19th to 20th Aves., $12,450. Noted Sept. 11.

★**N. Y., Brooklyn**—Park Bd., Municipal Bldg., New York City, let contract furnishing material and labor for improving Park Circle, to Uvalde Asphalt Paving Co., 1 Bway., New York City, $27,603; East Drive, to Consolidated Asphalt Paving Co., 59-9th St., $127,195; sidewalks, to M. J. Rooney, 126 West 90th St., New York City, $1411. Noted Sept. 4.

★**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro., let contract regulating and repaving Hillside Ave. sheet asphalt on broken stone macadam base, to Union Paving Co., Bway. and 112th St., New York City, $151,376. Noted Sept. 4.

★**N. Y., Phoenix**—Bd. Trustees let contract paving Bridge St., involving 3350 sq.yd. asphaltic concrete surfacing, 6000 sq.yd. concrete or asphaltic concrete pavement, 2650 lin.ft. curbing and guttering to Lane Constr. Co., 37 Colony St., Meriden, Conn. Noted Sept. 11.

★**New Jersey**—State Highway Comn., Broad St. Bank Bldg., Trenton, let contract to M. I. Demarest, Seawarren, building 3865 sq.yd. State Highway Route No. 1, Sect. 1A, Metuchen Twp., Middlesex Co., $34,996; to Sampson & Reuter, Elizabeth, 11 mi. Absecon-Egg Harbor Rd., Route 8, 18 ft. wide, Atlantic Co., both concrete, $404,000. Noted Sept. 18.

★**N. J., Jersey City**—Bd. Freeholders Hudson Co. let contract repaving part of Belleville Turnpike, to Osborn-Marselles Co., Upper Montclair. About $25,000. Noted Aug. 21.

N. J., Trenton Junction (Trenton P. O.)—City received bids Sept. 15, building gutters, sidewalks and curbs on 1 mi. Grand Ave., from Natl. Constr. Co., Trenton, $10,784; A. Gibbs, 411 Liberty St., $12,310; R. B. Newton, 1239 Greenwood Ave., $14,172.

★**Pennsylvania** — State Highway Dept., Harrisburg, let contracts building 23,246 ft. rein.-con. and Hillside vitr. brick road in Adams Co., to G. Merdinger, Wilbut Trust Bldg., South Bethlehem, $179,156; 16,129 ft. rein.-con., Lehigh and Lower Towamensing Twps., Bowmanstown Boro., Northampton and Carbon Counties, to J. E. Shanley, Jr., Commercial Trust Bldg., Phila., $197,590; 12,355 ft. bituminous surfaced course on concrete foundation or rein.-con., Center Co., to Warren Bros., 142 Berkeley St., Boston, $121,796. Noted Sept. 11.

★**Pennsylvania** — State Highway Dept., Harrisburg, let contracts building roads in counties as follows:

Chester Co., 29,586 ft. bituminous macadam (Pennsylvania method) on Telford foundation, Westtown, East Goshen and East Whiteland Twps., to R. H. Johnson, Wayne, $190,578.

Delaware Co., 7314 ft. bituminous macadam (Pennsylvania method) on Telford foundation, Upper Darby Twp., to V. Di Franceson, Llanerch, $44,389.

Mercer Co., 2431 ft. rein.-con., Mercer Boro. to Burns Bros., 525 South Mill St., New Castle, $26,794.

Northampton Co., 8226 ft. rein.-con., Nazareth and Palmer Twps., to R. S. Rathbun Constr. Co., 409 Vine St., Bethlehem, $67,769.

Westmoreland Co., 31,227 ft. rein.-con. and Hillside vitr. brick, Hempfield and Sewickley Twps., to J. J. Dick, Scotdale, $305,502. Noted Aug. 28.

★**Delaware**—State Highway Dept., Dover, let contract building 6.7 mi. road from Frederica to Milford, Constr. No. 18, to Piel Constr. Co., 2519 Edmondson Ave., Baltimore, cost $267,429; 3.75 mi. road from Harrington to Felton, Constr. No. 20, to McNichol Paving & Constr. Co., 1923 Cherry St., Phila., $145,563; .15 mi. road from city line to 33rd St., Wilmington, Constr. 21, D. E. O'Connell & Son, Norway, Pa., $29,950; .65 mi. road from Market St. Bridge to city line, Wilmington, Constr. No. 22, to Union Paving Co., Union and Market Sts., Wilmington, $77,442. Noted Aug. 21.

★**W. Va., Huntington**—Comrs. Cabell Co. let contract paving ½ mi. road from here to Konova, to Hunt-Forbes Constr. Co., Ashland, Ky., $18,057.

★**W. Va., Keyser**—Comrs. Mineral Co. let contract grading 7.66 mi. concrete road in Elk District, to H. W. Kaylor, 106 Arcade Bldg., Hagerstown, Md., $1.10 per cu.yd.

★**W. Va., Lewisburg**—Comrs. Greenbier Co. let contract grading 25 mi. road, Meadow Bluff Dist., to Patrick Constr. Co., Clarksburg, W. Va. Work involves 125,000 cu.yd. excav. 90c. per cu.yd., 120 cu.yd. class B masonry, $18.75, 306 cu.yd. class C masonry, $17.50, 3200 ft. 12 in. v.c. pipe, $2.10, 210 ft. 15 in. v.c. pipe $2.90, 390 ft. 18 in. v.c. pipe, $3.80, 210 ft. 24 in. pipe, $5.70, 20 acres clearing, $65, and 15 acres grubbing, $100. Total cost, $133,713. Noted Aug. 28.

★**W. Va., Moundsville**—City let contract paving 1000 ft. various streets, 24 ft. wide, to R. J. McFadden, Parkersburg. Work involves 2,666 sq.yd. 6-8 in. cement concrete paving and 5000 ft. curbing. About $14,000.

★**W. Va., Moundsville**—City let contract paving 2 blocks Tomlinson Ave., 7½ in. concrete, to R. J. McFadden, Moundsville, $2.70 per sq.yd. About $11,000.

★**W. Va., Wayne**—Comrs. Wayne Co. let contract grading and draining 5 mi. Wayne-Kenova Rd., involving 57,380 cu.yd. excav., 286 cu.yd. class A and 182 cu.yd. class B concrete, to Smith & Quinn, Parkersburg, cost $66,072; paving ½ mi. Huntington-Kenova Rd., 16 ft. wide, vitr. brick, to Hunt-Forbes Constr. Co., Ashland, Ky., $18,057. Noted Sept. 4.

★**N. C., Kenansville**—Comrs. Duphin Co. will build 15 mi. sand clay road from Kenansville to Pender Co. line. About $60,000. Work will be done by day labor.

★**N. C., Wentworth**—Comrs. Rockingham Co. will build 11 mi. road. Work will be done by day labor under direction of G. W. Estes, co. road supt. About $30,000.

★**Ga., Monroe**—City Council let contract paving and draining 24,000 sq.yd. Main St., concrete, to Crump Constr. Co., Macon, $2.43 per sq.yd. Noted Aug. 21.

★**Indiana**—State Highway Comn., Indianapolis, let contracts paving 10.2 mi. concrete road from Orange Co. line to Bedford, Lawrence Co., to Wabash Constr. Co., Vincennes, $503,257; 10.2 mi. concrete road from west line Warrick Co. to Boonville, S. R. Adams, Princeton, $432,497; 8.4 mi. concrete road from north line Franklin to south line Greenwood, Johnson Co., Morris & McTernau, Fairmont, $288,397; 4.6 mi. concrete road from Illinois state line to West Terre Haute, Vigo Co., A. J. Yawger & Co., 450 North Belmont Ave., Indianapolis, $147,50[illegible] concrete road, Tipton and Howard Counties, L. B. Hodgin, 208 East Mulberry St., Kokomo, $242,943; 11.283 mi. Lincoln Highway from Schererville to Porter Co. line, Federal Paving Co., 133 West Washington St., Chicago, $373,156. Noted Sept. 4.

★**Mich., Detroit**—City received bids paving with asphaltic concrete on 6 in. concrete foundation, Berea or Medina curbstone (a) Blaine Ave., (b) Martindale Ave., (c) Alley No. 1068, (d) No. 1069, (e) No. 1070, (f) No. 1071, (g) No. 1072, (h) No. 1073, (i) No. 1074, (j) No. 1075, (k) No. 1076, (l) No. 1077, from W. B. Brady Constr. Co., 1972 Grand River Ave., (a) $39,421, (b) $33,768; Detroit Asphalt Paving Co., 20 McGraw Bldg., (a) $40,594, (b) $34,539; Cleveland Trinidad Paving Co., 2940 Woodward Ave., (a) $40,382, (b) $34,426; Otis Cement Constr. Co., 806 Hammond Bldg., (c) $4157, (d) $5968, (e) $8827, (g) $2306, (h) $2181, (i) $4586, (j) $4214, (k) $1531, (l) $5769; R. J. Powelson Co., 1577 Iroquois Ave., (c) $4063, (d) $6167, (e) $9158, (f) $5400, (g) $2157, (h) $2047, (i) $4610, (j) $4123, (k) $1499, (l) $6132; T. E. Currie, 20 McGraw Bldg., (d) $6056, (e) $8710, (f) $5640, (g) $2131, (i) $4492; Talbot Co., 400 Penobscot Bldg., (f) $5411; E. Meredith & Co., 145 Harper Ave., (h) $2006, (k) $1546, (l) $6049. Noted Sept. 11.

★**Ill., Grayville**—City let contract building and graveling 4000 ft. road, 10 ft. wide, to P. R. Blood, Grayville. About $10,000.

★**Ill., Monticello**—Piatt Co. let contract building 2600 ft. 10 ft. brick pavement on Sect. F-15d, Route 8, to W. F. Lodge, Monticello. Noted Aug. 28.

★**Wisconsin** — State Highway Comn., Madison, let contract improving Beloit-Janesville Rd., Rock Co., Federal Aid Project No. 96, to McCollough & Cheney, 440 Temple Court, Minneapolis. Work involves 18,028 cu.yd. earth excav., $.72 per cu.yd., 63,312 sq.yd. concrete surfacing, $2.235 and 277 cu.yd. concrete in culverts, $25, total cost, $162,426. Noted Sept. 11.

Wisconsin — State Highway Comn., Stephenson Bldg., Milwaukee, received bids improving .93 mi. Sheridan Rd., Racine Co., Federal Aid Project No. 39, involving (a) 2258 cu.yd. earth excav., (b) 17 cu.yd. concrete in culverts, (c) 9831 sq.yd. concrete surfacing, etc., from Michie Constr. Co., 82 Wisconsin St., Milwaukee, (a) $1.10 per cu.yd., (b) $22., (c) $2.25, total cost, $34,241; J. R. Griffith Co., Racine, (a) $0.80, (b) $25, (c) $2.43, $34,415. Noted Sept. 11.

Wis., Manitowoc—Manitowoc Co. received bids Sept. 15, grading and paving also building bridges, culverts, etc., on 2.1 mi. Lake Shore Rd. from Sheboygan to Green Bay, 18 ft. wide, from Murphy Constr. Co., 826 South 8th St., Manitowoc, $2.60 per sq.yd.; T. Young & Bros. Co., Oconto, $2.65. Noted Sept. 11.

Minn., Duluth—City received bids Aug. 9 paving 54th St., E., from London Rd. to Glendale St., from C. R. McLean & Son, Duluth, $39,468; J. McDonnell, Duluth, $42,227. Noted Sept. 11.

★**Minn., Minneapolis**—Comrs. Hennepin Co. let contract grading and graveling 1½ mi. approaches to Cedar Ave. bridge, to Nelson & Frederick, Temple Ct., $42,373. Noted Sept. 11.

★**Minn., Thief River Falls**—Comrs. Pennington Co. let contract building Federal Aid Project No. 67, State Rd. No. 1, State Aid Job No. 1907, to P. W. Roark, Thief River Falls, $10,554. Noted Aug. 28.

★**Kan., Seneca**—City let contract improving Main St., involving 50,000 sq.yd. vertical fibre and 25,000 sq.yd. asphaltic pavement, to J. Stanton, 6th and Kiowha Sts., Leavenworth. About $150,000.

★**Kan., Washington**—City let contract paving 8 blocks various streets, fibre brick, to J. Stanton, 6th and Kiowha Sts., Leavenworth, $89,822.

★**Tex., Clarksville**—Red River Co. will clear, grub, gravel surface and drain 16 mi. State Highway No. 35, known as "Choctaw Trial," 14 ft. wide. About $46,391. Work will be done by day labor under county forces. Noted Aug. 21.

★**New Mexico**—State Highway Comn., Santa Fe, let contract building 5.4 mi. Federal Aid Project No. 11 between Capitan and Ford Stanton, Lincoln Co., to Burgess & La Roe, Palestine, Tex., $42,661. Noted Aug. 28.

Streets and Roads (Continued)

★**New Mexico**—State Highway Comn., Santa Fe, let contract building 5.4 mi., Federal Aid Project No. 16, Lea Co., to Lea Co. Constr. Co., Lovington, $39,517. Noted Aug. 28.

Idaho—State Dept. Pub. Wks., Boise, received bids building, grading, graveling and draining 30.5 mi. New Meadows-Whitebird Rd., also building bridge across Salmon River, from Grant, Smith & Co., St. Johns Ave., Portland, Ore., $779,758; H. H Boomer, Ziegler Bldg., Spokane, Wash., $1,149,290, Porter & Conley, Ry. Exch. Bldg., Portland, Ore., $1,158,872.

★**Oregon**—State Highway Comn., Portland, let contract grading 14 mi. Columbia River Highway across Sherman Co., involving 250,000 cu.yd. excav., to Porter & Conley, Ry. Exch. Bldg., Portland, $207,115; paving 10.8 mi. Scappoose-Dear Island Sect. Columbia River Highway, standard bitulithic, type E, using gravel on 5 mi. of road, to Warren Constr. Co., Journal Bldg., Portland, $229,515.

Oregon—State Highway Comn., Portland recived bids Sept. 9 grading and macadamizing (a) 12 mi. Klamath Falls-Algoma Sect. of The Dalles-California Highway, Klamath Co., involving 3700 cu.yd. rock surfacing, 6500 cu.yd. cinder surfacing, (b) grading 15 mi. John Day River-Blalock Sect., Columbia River Highway, Gilliam Co., 110,000 cu.yd. excav., (c) 5 mi. McMinnville-West Dayton Sect. West Side Pacific Highway, Yamhill Co., 60,000 cu.yd. mixed excav., (d) macadamizing 6.4 mi. Hood River-Mosier Sect. Columbia River Highway, Wasco and Hood River Counties, 12,800 cu.yd. surfacing, (e) 3 mi. Cottage Grove-Walker Rd., 6300 cu.yd. macadam, (1) iron pipe, (2) concrete pipe, (3) special surfacing, (4) waterbound macadam, (5) broken stone macadam, (6) gravel macadam, from Klamath Co. Court, Klamath Falls, (a2) $146,062, (a1) $144,958; W. H. Mason, Klamath Falls, percentage basis; Elliott, Scoggins & Wolf, Portland, (b1) $231,987, (b2) $232,636; A. Guthrie Co., Sherlock Bldg., Portland, (b1) $211,116, (b2) $211,339; O. Huber, Sherlock Bldg., Portland, $194,264; Palmer & Young, McMinnville, (c1) $67,930, (c2) $67,975; W. N. Trent, McMinnville, (c) $71,855; V. R. Dennis, McMinnville, (c) $70,415; A. D. Kern, foot of Mill St., Portland, (d3) $31,020, (d4) $86,720; Pacific Bridge Co., foot of Salmon St., Portand, (d3) $31,920, (d4) $75,120; Porter & Yett, Portland, (d3) $32,760, (d4) $78,200; Western Constr. Co., Portland, (e5) $29,985; Haakenson & Thorsen, Cottage Grove, (e5) $29,045, (e6) $28,415. Noted Aug. 7.

★**Ore., Astoria**—City let contract filling and draining Duane St. from 16th to 17th Sts. and filling, leveling and draining preparatory to planking, 17th St. from Commercial to Exchange Sts., to Miller & Bauer, Astoria, $17,904 and $21,283 respectively.

★**Ore., Helix**—City let contract leveling, draining and paving 8 blocks with concrete, to J. A. Gudgel, Kalispell, Mont., $18,742.

Ore., Portland—City received bids paving (a) 46th Ave. from 67th St. S. E. to Kern Park, (b) East 30th St. from Ainsworth Ave. to Holman St., (c) Killingsworth Ave. from East 30th to East 42nd Sts., (d) Linn Ave. from East 9th to East 11th Sts., (e) Elliott Ave. from Hawthorne Ave. to Division St., (f) East 60th St. from Oregon to East Glisan Sts., (g) macadamizing Vernon Ave. from Killingsworth Ave. to Alberta St., (h) grading and building sidewalks on portions of 45th St. S. E. and 53rd Ave. S. E., (i) Olin St. from Lombard St. to Willamette Blvd., from J. Keating, Portland, (a) 8 in. macdam, $6 per cu.yd., total cost, $3625, (d) concrete No. 1 in track, $2.35 per sq.yd., concrete No. 1 in roadway, $2.35 per sq.yd. $5741, (g) $5.75 per cu.yd., $7459; Warren Constr. Co., Journal Bldg., (b) asphaltic concrete No. 1, $1.43 per sq.yd., $7902, (c) No. 1 concrete in roadway, $1.43 per sq.yd., $20,046, (d) concrete No. 1 in track, $2.43 per sq.yd., asphaltic concrete No. 1, 2 in top in roadway, $1.57 per sq.yd., $5822, (e) asphaltic concrete No. 1, 2 in. top, 8 in. redress binder roadway, $1.59 per sq.yd., $25,147, (f) concrete No. 1 in track, $2 per sq.yd., No. 1, 2 in. redress in roadway, $1.53 per sq.yd., $4115; Municipal Paving Plant, Portland, (c) asphaltic concrete in roadway, 2 in. top, $1 per sq.yd., $15,609; Star Sand Co., foot of Randolph St., (h) $4129; J. Hahn, Portland, (i) $7142; Cochran Bros., Portland, $7644; J. Rebman, Portland, $7325. Noted Aug. 23.

California—State Highway Comn., 515 Forum Bldg., Sacramento, received bids building (a) Sect. C, Route 17, Div. 3, Federal Aid Project No. 28, Placer Co., (b) Sects. B and D, Routes 10 and 4, Div. 6, Tulare Co., (c) Sect. B, Route 34, Div. 3, Federal Aid Project No. 29, Amador Co., from Federal Constr. Co., Call Bldg., San Francisco, (b) $21,870; A. J. Fairbanks, Twillits, (a) $104,256, (c) $110,748; T. M. Olney, Oakland, (c) $66,469; W. A. Schmidt, Berkeley, (c) $95,385.

★**California**—State Highway Comn., 515 Forum Bldg., Sacramento, let contract building Sect. B, Route 13, Div. 3 State Highway between Oakdale and easterly boundary, Stanislaus Co., to Palmer & McBryde, Hooker Lent Bldg., San Francisco; Sect. A, Route 16, Div. 1 State Highway, between westerly boundary and Lakeport, Lake Co., to Erickson & Petterson, Monadnock Bldg., San Francisco; Sect. B, Route 2, Div. 7 State Highway between Galivan and Irvine, Orange Co., C. R. Curtis, 2440 East 26th St., Los Angeles; Sect. A, Route 2, Div. 5 State Highway between Divide and Orcutt, Santa Barbara Co., F. C. McIntire, Farmers & Merchants Bank Bldg., Stockton; Sect. A, Route 2, Div. 7, State Highway between Lankershim Blvd. and South Sherman Way, Los Angeles Co., Bryant & Austin, Inc., 1650 Los Angeles. Noted Sept. 18.

Cal., Oakland—City received bids improving 1730 ft. 47th Ave. between East 14th St. and Huntington Tract, from Bates & Borland, Bway. and 12th Sts., $16,084; Hutchinson Co., 444-17th St., $16,497; Oakland Paving Co., 5000 Bway., $17,065. Noted Sept. 11.

★**Que., Montreal**—City Council let contracts to D. Vocisano, Montreal, building sidewalks on portions of Addington St., $1750, G. E. Carter, $953, St. Maria St., $1871, Walnut St., $450, Cote de Neiges St., $1350; to Quinlan & Robertson; 260 St. James St., for walks on Royal St., $5174, Addington St., $4696; to Chagbon & Filion, for walks on Melrose St., $6334, Monkland St., $3436; Oxford St., $2413; Northcliffe St., $10,274; Prudhomme St., $1553; to Duranceau & Duranceau, for walks on Lenoir St., $1738; Desnoyers St., $6287; St. Emelie St., $6032; Orchard St., $6500; to DeKeyser Wanters Co., for sidewalks on Drolet St., $9910; to E. T. Verbanise, 2069 De Chatberd Ave., for walks on Wilson St., $2282.

★**Ont., Oshawa**—Town let contract building 17,000 ft. concrete sidewalks, 4 and 5 ft. wide, to T. B. Mothersill, Oshawa. About $23,000.

Railways

PROPOSED WORK

Illinois—Davenport, Springfield & Southern R. R., Chicago, recently incorporated, plans to build railroad from East St. Louis through Belleville and Coulterville to Pinckneyville, and spur from Decatur to Litchfield and Edwardsville, from Rock Island to Moline through Mercer and Henry Counties to Galesburg, Lewiston, Havana, Petersburg and Springfield, through Christian Co. to Hillsboro, Greenville, Carlyle, Nashville and Clancyville, through Jackson Co. to Carterville, Vienna and Metropolis; also build passenger and freight depots, sidetracks and other necessary appurtenances, bridges, etc. About $800,000. H. Leak, Chicago, ch. engr.

Ontario—City of Toronto has plans prepared by R. C. Harris, city engr., for 3 mi. electric extension from St. Clair Ave. via Mt. Pleasant, to Glen Echo, to include all track work, track material, power lines, etc. About $1,000,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Oregon**—Alsea River Lumber Co., Eugene, let contract building 8 mi. standard gauge logging railroad from Southern Pacific Terminus to Glenbrook, west of Monroe, to Bosche, Miller & Grier, Portland. About $30,000.

Excavation and Dredging

PROPOSED WORK

Wash., Vancouver — **Irrigation** — Bd. Comrs. Clark Co. having preliminary surveys made of land in Vancouver Lake Diking Dist. preparatory to reclamation. Cost to exceed $10,000. J. L. Garrett, clk.

Ore., The Dalles—Canal-Wapinitia Irrigation Co. plans to build canal from Frog Creek to main headgate, 4 mi., cost $35,000; also build lateral canals and gates to farms on lower Wapinitia Plains extending to O. Chastain ranch, 4000. N. G. Hedin, The Dalles, project mgr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Wis., Sheboygan** — Excavation — M. Friedhammer, R.F.D. 5, let contract excavating and laying 52,000 ft. 5-10 in. tile drain, Wilson Twp., Sheboygan Co., to Koeppe & Rouwerdink, Cedar Grove. About $19,500.

★**Minn., Granite Falls**—Ditch—Comrs. Yellow Medicine Co. let contract building Co. Ditch No. 1, to Redwing Sewer Pipe Co., Redwing, $11,200. Noted Aug. 28.

Industrial Works

PROPOSED WORK

Vt., Westminster Station—Abenaquet Machine Wks. had plans prepared by Cooley & Marvin Co., engrs., 711 Tremont Bldg., Boston, for 1 story, 150 x 500 ft. rein.-con. and steel machine shop. About $200,000.

Mass., East Springfield (Springfield P. O.)—N. E. Westinghouse Co., Chicopee Falls, plans to build large addition to factory, here. About $150,000. Architect not selected.

Mass., Holyoke—Affleck Ruling & Stationery Co., 18 Bridge St., having plans prepared for brick addition to factory, concrete foundation, on North Bridge St. About $25,000. Private plans.

Mass., Holyoke—H. L. Gendreau, engr., 755 Gratton St., Williamsett, prepared plans for 3 story rein.-con. and brick garage, rein.-con. flooring, concrete foundation, on Race and Appleton Sts. About $125,000. Owners name withheld.

Conn., Meriden—New Departure Mfg. Co., 269 North Main St., Bristol, purchased old woolen mill property here and plans to remodel present buildings and construct 2 new rein.-con. factories. About $400,000. Lockwood, Greene & Co., 60 Federal St., Boston, engrs.

N. Y., Albany—Witherbee, Sherman & Co., 2 Rector St., New York City, having plans prepared for 1 story rein.-con. and steel fertilizer plant, rein.-con. flooring, concrete foundation, on Westerloo Isle. About $1,000,000. Private plans.

N. Y., Brooklyn—A. Ullrich, archt. and engr., 371 Fulton St., preparing plans for brick and steel factory, concrete foundation. About $70,000. Owner's name withheld.

N. Y., New York—J. Bothwell, 30 West 130th St., having plans prepared by E. Wilbur, archt. and engr., 507 5th Ave., for 1 story, 100 x 115 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Sherman Ave. and 162nd St. About $35,000.

Pa., Nicholson—Nicholson Silk Co. plans to build silk mill on Main St., 2 story, 50 x 85 ft. steel and brick, rock foundation. About $50,000. Architect not selected.

Pa., Phila.—Bernstein Mfg. Co., American and Alleghany Sts., having plans prepared by A. J. Sauer & Co., archts. and engrs., Denckla Bldg., for 3 story, 52 x 152 ft. factory, slow burning construction. Noted July 31.

Pa., Plains (Wilkes Barre P. O.)—Magagna Bros. plan to build silk mill on Monroe St., 1 story, 68 x 150 ft., rein.-con. and steel, rein.-con. flooring, concrete foundation. About $54,000. G. F. Schroeder, Weitzenkorn Bldg., Wilkes Barre, archt.

Pa., Scranton—Delaware & Hudson Coal Co. plans to build 100 x 120 ft. rein.-con. and steel coal breaker, rein.-con flooring, rock and concrete foundation, on Maurine St. About $600,000. Architect not selected.

Pa., Scranton—Kelly Silk Co. having plans prepared by F. L. Brown, archt., Real Estate Exch. Bldg., for 4 story, 50 x 80 ft. steel and brick mill, rein.-con. flooring, concrete foundation, on Mulberry St. About $90,000.

Pa., Scranton—Williams Ice Cream Co., Cliff St., having plans prepared by F. A. Nelson, archt., Connell Bldg., for 3 story, 82 x 120 ft., steel and brick plant, rein.-con. flooring, concrete foundation, on Locust St. About $100,000.

Industrial Works (Continued)

Pa., Wilkes Barre—G. R. Goebel Silk Co. plans to build silk mill on Lehigh St., 2 story, 49 x 105 ft. steel and brick, rein.-con. flooring, concrete foundation. About $50,000. Architect not selected.

Pa., Wilkes Barre—Jenkins-Kirby Packing Co., Rutter Ave., plans to build 2 story, 56 x 65 ft., steel and brick warehouse, rein.-con. flooring, concrete foundation. About $50,000. McCormick & French, 2nd Natl. Bank Bldg., archts.

Pa., Wyoming (Pittston P. O.)—Wyoming Shovel Co. soon lets contract building 2 story, 50 x 50 ft. warehouse and 1 story, 120 x 450 ft. shovel plant, both rein.-con. and steel, rein.-con flooring, concrete foundation, on 8th St. About $50,000 and $259,000 respectively.

Md., Westport—A. S. Lorzeaux, engr. for Consolidated Gas, Electric Light & Power Co., Lexington Bldg., Baltimore, soon lets contract constructing service building, here, 2 story, 53 x 58 ft. rein.-con., rein.-con. flooring, concrete foundation. About $80,000.

Va., Richmond—Forbes Motor Co. soon lets contract building 2 story, 100 x 120 ft., rein.-con. garage, on Schaefer and Broad Sts. About $85,000. Hallett & Pratt, Mutual Bldg., archts.

Ala., Birmingham—Preston Motors Corp., 321 First Natl. Bank Bldg., has been organized with $1,000,000 capital stock and had plans prepared for plant to consist of several buildings; main building to be 60 x 420 ft. with 60 x 150 ft. wings. About $100,000. R. A. Skinner, pres. and ch. engr.

O., Cleveland—Amer. Auto Trimming Co., 864 East 72nd St., plans to build 5 story, 104 x 328 ft., rein.-con., steel and brick factory, on Taft Ave. About $100,000. Architect not selected.

O., Cleveland—F. H. Boltman Co., 10271 Berea Rd., plans to build 1 story, 84 x 112 ft., rein.-con., steel and brick machine shop. About $30,000. Architect not selected.

O., Cleveland—Brown Body Corp., East 32nd St. and Superior Ave., plans to build 5 story, 100 x 140 ft., rein.-con., steel and brick factory, on Maywood Ave. About $500,000. Architect not selected.

O., Cleveland—Great Lakes Copper Co., Trumbull Ave., plans to build 1 story, 80 x 130 ft., rein.- con., steel and brick factory. About $40,000. Architect not selected.

O., Cleveland—M. Hinkle, 817 Prospect Ave., plans to build 2 story, 120 x 125 ft., rein.-con., steel and brick garage and sales room, on East 20th St. About $75,000. Architect not selected.

O., Cleveland—Lang Body Co., 3088 West 106th St., plans to build 4 story, 180 x 190 ft., rein.-con., steel and brick factory. About $100,000. Architect not selected.

O., Cleveland—L. Malewitz, Waterloo Rd., plans to build 2 story, 75 x 90 ft., steel and brick factory. About $30,000. Architect not selected.

O., Cleveland—Martin Barris Co., 2048 West 3rd St., having plans prepared by G. S. Rider, engr., Century Bldg., for 2 story, 36 x 165 ft., rein.-con., steel and brick saw mill and power house. About $100,000. Noted Aug. 28.

O., Columbus—Cole Motor Sales Co., 630 North High St., plans to build 2 story, 50 x 265 ft., steel and brick garage and salesroom, rein.-con. flooring, concrete foundation, on East Broad St. About $100,000. C. L. Inscho, Brunson Bldg., archt.

Ind., Indianapolis—Indianapolis Concrete & Tile Roofing Co. soon lets contract building 2 story, 60 x 150 ft. rein.-con. factory, on 52nd St. About $50,000. Kopf & Wooling, Indianapolis, archts.

Mich., Menominee—Lloyd Mfg. Co. had plans prepared for 3 story, 100 x 400 ft., rein.-con. factory, rein.-con. flooring, concrete foundation.

Mich., Muskegon—Continental Motors Corp., Jefferson Ave., E., Detroit, having plans prepared by Robinson & Campau, archts., Grand Rapids, for 2 story, 80 x 140 ft., rein.-con., brick and steel assembly plant, rein.-con. flooring, concrete foundation. About $75,000. Noted June 17.

Ill., Chicago—A. Jones Electrical Co., 2837 South State St., having plans prepared by F. M. Barton & Co., archts., 1510 Kimball Bldg., for 1 and 2 story, 125 x 125 ft. rein.-con. and brick factory, concrete foundation, on 29th Pl. and Calumet Ave. About $60,000.

Wis., Rice Lake—F. Mackinnon Mfg. Co., Grand Rapids, plans to build 4 story, 60 x 150 ft. brick, steel and tile factory, rein.-con. flooring, brick foundation, here. About $25,000. Architect not selected.

Wis., Sauk City—J. Dresen and A. Teros plan to build 2 story, 40 x 210 ft. brick, rein.-con., tile and steel factory, rein.-con. flooring, brick foundation, on Main St. About $25,000. Architect not selected.

Wis., Spencer—A. Wendell plans to build 4 story, 50 x 52 ft. brick, rein.-con. and steel factory, rein.-con. flooring, brick foundation, on Main St. About $25,000. Architect not selected.

Kan., Hugoton—See "Waterworks."

Neb., Omaha—A. Y. McDonald Mfg. Co., 305 South 10th St., having plans prepared by G. B. Prinz, archt., 1037 Omaha Natl. Bank Bldg., for 8 story, 66 x 132 ft. rein.-con. and brick warehouse, concrete foundation, on 12th and Dodge Sts. About $175,000.

Mont., Wolf Point—Motor Sales Co. purchased site and plans to build garage. About $25,000. H. C. Ditmarson, mgr.

Mo., St. Louis—Bowersox Milling Co., Lawrence, Kan., plans to build 1,000,000 bu. floor elevator, foot of Stein St., here. About $700,000. R. C. Jackman, Lawrence, Kan., representative.

Mo., St. Louis—Inland Piston Ring Co., 17th and Washington Aves., plan to build 2 story, 80 x 100 ft., rein.-con., steel and brick factory, rein.-con. flooring, rock foundation, on Geraldine Ave. About $60,000. Address O. G. Stark, c/o owner. Architect not selected.

Tex., Mexia—City Council plans to build electric light and power plant. About $100,000.

Tex., Ripley—City voted $150,000 bonds to build light and ice plant.

Tex., Texarkana—Southwestern Gas & Electric Co. plans to build 125 x 300 ft. brick, steel and concrete car barn, cost $65,000, also 50 x 80 ft. wood-working plant and 50 x 101 ft. garage, paint shop, etc.

Ore., Bandon—City Council having preliminary plans made and investigating along Elk Rivtr, Curry Co. for site upon which it plans to build electric power plant. About $25,000. D. Topping, mayor.

Ore., Portland—E. Schact, archt., Common wealth Bldg., soon lets contract building 2 story, 100 x 100 ft. and 1 story, 100 x 150 ft. rein.-con. automobile houses, on 15th and Washington Sts., for W. H. Wallingford Co., 522 Alder St., and Laher Auto Spring Co., 34 North 15th St. About $100,000.

Cal., San Francisco—See "Miscellaneous."

Que., Three Rivers—Baldwins Ltd., Swansea, Great Britain, having plans prepared by R. Russell & Sons, Ltd., 2 Place d'Armas, Montreal, building forge machine and erection shops, office, furnace room and house for manager, on Tidewater St. About $1,000,000.

Ont., Cobalt — Wendigo Power Co., Guelph, purchased power rights on upper Blanche River, here, and plans to construct power development capable of developing 4000 hp. Project includes dam, power house and lines, turbines, etc. About $125,000. Engineer not selected.

Ont., Ft. William—A. Snelgrove purchased site and plans to build 400,000 bu. rein.-con. grain elevator. About $300,000. Engineer not selected.

Ont., Guelph—Brown & Little, 23 Cork St., having sketches made and estimates prepared by P. H. Secord & Sons, Ltd., engrs., 133 Nelson St., Brantford, for 2 story, 82 x 160 ft. rein.-con. garage, rein.-con. flooring, concrete foundation, on Eramosa St. About $60,000.

Ont., Hamilton—T. Eaton & Co., Ltd., 190 Yonge St., Toronto having estimates prepared for 5 story, 50 x 60 ft. steel, brick and concrete, addition to factory on King and William Sts., rein.-con. flooring, concrete foundation. About $100,000. W. Steele & Sons, Ryrie Bldg., Toronto, engrs.

Ont., Welland—City Council passed by-law to expend $35,000 for extension and additions to hydro power system.

Ont., Wiarton—City plans to build electric light plant. About $60,000. Engineer not selected.

B. C., New Westminster—Western Bondage Co., 402 Pender St. W., Vancouver, plans to construct 1 story, mill construction factory, concrete foundation, near Brunette River here, to consist of several buildings. About $80,000. O. B. Eller, 622 Columbia St., engr. Sharp & Thompson, 905 London Bldg., Vancouver, archts.

BIDS DESIRED

Pa., Phila.—Fieldstein & Scharf, archts., Penfield Bldg., receiving bids building 2 story, 26 x 82 ft. brick factory, on Erie Ave. and Amber St., for M. I. Davidson Co., Shackamaxon and Wildey Sts.

Pa., Phila.—G. C. Nimmons & Co., archts., 120 South Michigan Ave., Chicago, receiving bids constructing power house also 9 story, 360 x 442 ft. and 6 story, 80 x 420 ft. rein.-con., brick and stone, mail order buildings rein.-con. flooring, concrete foundation, here for Sears Roebuck & Co., Arthington and Homan Aves., Chicago. About $4,500,000.

O., Cleveland—Cleveland Hardware Co., 3840 East 79th St., receiving bids building 1 story, 40 x 100 ft., steel and brick factory. About $25,000. Private plans.

O., Cleveland—E. McGeorge, archt., 1900 Euclid Ave., receiving bids building 3 story, 80 x 400 ft., rein.-con., steel and brick addition to machine shop, on East 131st St. and St. Clair Ave., for Chandler Motor Car Co., St. Clair Ave. About $200,000. Noted Aug. 28.

O., Cleveland—Torbenson Axle Co., 1115 East 152nd St., receiving bids building 2 story, 60 x 109 ft., rein.-con., steel and brick. About $30,000. Private plans.

O., Cleveland—Vita Mfg. Co., Williamson Bldg., receiving bids building 1 story, 132 x 252 ft., rein.-con., steel and brick factory, on Madison Ave. About $100,000. Private plans.

O., Cleveland—Witworth & Johnson, archts. and engrs., Engineer's Bldg., receiving bids constructing 2 story, 125 x 131 ft., rein.-con., steel and brick service and sales building, on East 67th St. and Carnegie Ave., for M. Hinkel, Huron Rd. About $150,000.

O., Columbus—Bassett & Tresselt, archts., Central Natl. Bank Bldg., receiving bids building 6 story, 50 x 150 ft., brick and concrete addition to cold storage plant of Natl. Ice and Storage Co., 5th and Naghten Sts. About $200,000.

Ill., Chicago—Until Oct. 1, by G. C. Nimmons & Co., archts., 122 South Michigan Ave., for 1 and 2 story, 250 x 350 ft. rein.-con. and brick factory, concrete foundation, on 87th and State Sts., for Walker Vehicle Co., 39th and Wallace Sts. About $260,000.

Neb., Ralston—Nelson-Evans Paint Co. receiving bids building 5 story, 50 x 140 ft. rein.-con. warehouse. About $75,000. G. L. Fisher, 1529 City Nat'l Bank Bldg., Omaha, Archt.

Ont., Oshawa—Until Oct. 3 by B. H. Prock, engr., Lumsden Bldg., Toronto, constructing plant, to consist of three 2 story, 80 x 360 ft., 80 x 365 ft. and 70 x 285 ft. and two 1 story, 60 x 285 ft. and 70 x 250 ft. structural steel buildings, rein.-con. flooring, concrete foundation, for Pedlar People, Ltd., Simcoe Sts. S. About $500,000. Noted Sept. 11.

Ont., Toronto—See "Buildings."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., New Bedford—Natl. Spun Silk Co., c/o Lockwood-Greene Co., archts. and engrs., 101 Park Ave., New York City, let contract building 4 story, 120 x 400 ft. rein.-con. and steel factory, rein.-con. flooring, concrete foundation, to Turner Constr. Co., 244 Madison Ave., New York City. About $750,000. Noted June 26.

★N. Y., Brooklyn—Kahan & Feldman, 25 Madison Ave., New York City, let contract building 5 story, 80 x 295 ft. rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Wykoff & Irving Aves., here, to Rosenthal Eng. Contg. Co., 226 Jackson Ave. Noted Sept. 11.

Industrial Works (Continued)

★**N. Y., Long Island City**—Gehnrich Indirect Heat Oven Co., 60 Franklin Ave., let contract building 2 story, brick and steel factory, rein.-con. flooring, concrete foundation, on Skillman Ave., to L. Gold, 44 Court St., Brooklyn. About $300,000.

★**N. Y., New York**—L. A. Sheinart, archt., 192 Bowery, let contract to F. Hagen, 35 East 169th St., for 2 story, brick and steel garage, rein.-con. flooring, concrete foundation, at 361-365 South St., for J. Kennedy, 378 Front St. About $60,000. Noted Aug. 14.

★**N. J., Harrison**—Driver-Harris, c/o Lockwood-Greene, archts. and engrs., 101 Park Ave., New York City, let contract constructing 3 story, 50 x 100 ft., rein.-con., brick and steel shipping building, rein.-con. flooring, concrete foundation, to E. M. Waldron, Broad St., Newark. About $50,000. Noted July 24.

★**Pa., Phila.**—G. and H. Barrett, 1076 Frankfort Ave., let contract building 1 story, 105 x 170 ft. steel and brick storage warehouse, on Frankfort and Wildey Sts., to M. W. Easby, 1420 Chestnut St. About $50,000.

★**Pa., Phila.**—Boger & Crawford, Janney and Ontario Sts., let contract building 1 and 3 story, 60 x 150 ft., 60 x 200 ft., 70 x 200 ft. and 40 x 50 ft. brick factory, warehouse, and boiler plant, on Janney and Venango Sts., to W. Steele & Sons Co., 16th and Arch Sts.

★**Pa., Phila.**—J. Maneely, 309 Arch St., let contract building 1 story, 127 x 195 ft. and 268 x 280 ft., steel and brick warehouse, on Erie and D Sts., to M. W. Easby, 1420 Chestnut St. About $50,000.

★**Pa., Phila.**—Notaseam Hosiery Co., Mascher and Oxford Sts., let contract building 1 story, 55 x 250 ft. and 4 story, 48 x 250 ft., rein.-con., steel and brick factory, on Atlantic and I Sts., to Turner Constr. Co. 1713 Sansom St.

★**Tenn., Memphis**—Buckeye Cotton Oil Mills, New Raleigh Rd., let contract building paper pulp mill, to include warehouses, factory, storage and railway facilities, etc., to F. B. Young & Son, Bank of Commerce & Trust Bldg. About $250,000, including equipment.

★**O., Akron**—Firestone Steel Products Co., Miller and Sweitzer Sts., let contract building 1 story, 100 x 200 ft., rein.-con., steel and brick factory, to Hunkin Conkey Co., Century Bldg., Cleveland. About $500,000.

★**O., Cleveland**—Christain, Schwartzenberg & Gaede, engrs., 1900 Euclid Ave., let contract to Bolton & Pratt, Columbia Bldg., for 2 story, 57 x 64 ft., rein.-con., steel and brick addition to bakery, at 3335 Carnegie Ave., for Martin Baking Co., 3409 Carnegie Ave. About $50,000. Noted Sept. 11.

★**O., Cleveland**—Christain, Schwartzenberg & Gaede, engrs., 1900 Euclid Ave., let contract to J. H. Chaney & Son, Hippodrome Bldg., for 3 story, 100 x 180 ft., rein.-con., steel and brick warehouse, at 6532 Juaniata Ave., for Brown Fence & Wire Co. About $125,000. Noted Sept. 11.

★**O., Cleveland**—Christain, Schwartzenberg & Gaede, engrs., 1900 Euclid Ave., let contract to S. W. Emerson, 1900 Euclid Ave., building 5 story, 100 x 150 ft., rein.-con., steel and brick factory, on East 30th St. and Superior Ave., for Schwartz, Forney & Hexter Co., West 6th St. and Lakeside Ave. About $250,000. Noted Sept. 11.

★**O., Cleveland**—F. A. Foyer, 1341 Chestnut Ave., let contract building 2 story, 88 x 93 ft., rein.-con., steel and brick garage and sales room, to Priopo Bros., Cornell Rd. About $50,000. Noted Sept. 18.

★**O., Cleveland**—Standard Equipment Co., West 106th St. and Lorain Ave., let contract building 2 story, 75 x 100 ft., concrete, steel and brick addition to factory, on Lorain Ave. and West 110th St., to Republic Structural Iron Wks., 1290 East 53rd St. About $25,000. Noted Aug. 21.

★**O., Columbus**—Kroger Grocery & Bakery Co., Florence Ave. and Eden Park, Cincinnati, let contract building 3 story, 43 x 100 x 140 ft., rein.-con. bakery and warehouse, on West Broad St., here, to E. Elford, 104 North 3rd St. About $70,000.

ROAD WORK—NEWPORT, WASH.

Bids were received by Bureau Public Roads, Missoula, Mont., for grading 11.91 mi. Metaline-National Forest Rd., 12 ft. wide, Pend O'Reille Co., from (A) Engineer's Estimate; (B) Rich & Markhus, Prosser; (C) Clifton, Applegate & Toole, Hutton Bldg., Spokane. The unit bids were as follows:

	A	B	C
50 acres clearing	$200.00	$250.00	$175.00
5,722 cu.yd. rock excavation	2.00	2.35	3.00
39,440 cu.yd. common excavation	.75	.75	.95
9,400 sta. cu.yds. overhaul	.05	.05	.05
11.91 mi. finishing earth road	150.00	200.00	200.00
6 cu.yd. class "C" concrete bent footings	25.00	40.00	60.00
90 M ft.b.m. substructure trestle bridge	50.00	60.00	90.00
30 acres grubbing	300.00	300.00	140.00
30 acres grubbing (explos. furnished)	.....	200.00	300.00
5,722 cu.yd. rock excavation (explos. furnished)	.....	2.00	2.75
1,296 lin.ft. 2x1 ft. log culvert	2.00	1.50	2.15
164 lin.ft. 2x2 ft. log culvert	2.50	2.00	2.50
112 lin.ft. 2x3 ft. log culvert	3.50	2.50	3.00
86 lin.ft. 3x3 ft. log culvert	3.75	3.00	4.00
270 lin.ft. bridge superstructure	10.00	8.00	12.00
2,000 sq.ft. log cribbing	.90	1.50	1.75
Extended totals	$71,197	$76,111	$88,169

★**O., Columbus**—Natl. Ice & Storage Co., 5th and Naghten Sts., let contract constructing 70 x 90 ft., rein.-con. storage building, 60 ft. high at Plant No. 2, 11th and Grant Sts., to M. J. Delaney, 231 Sycamore St. About $50,000.

★**O., Columbus**—G. Sherman, Bexley, let contract building 2 story, 50 x 200 ft., rein.-con., steel and brick garage and salesroom, rein.-con. flooring, concrete foundation, on East Broad St., here, to Bebb Bros., Columbus. About $60,000. Noted Sept. 11.

★**O., Niles**—Republic Iron & Steel Co., Republic Bldg., Youngstown, will build sheet and tin plate mill here, concrete and steel, rein.-con. flooring, concrete foundation. About $2,500,000. Work will be done by day labor.

★**Mich., Allegan**—Overton Creamery Co. let contract building creamery and dairy, to include 40 x 50 ft. power house, to D. T. Top, Grand Rapids. About $100,000. Noted Aug. 21.

★**Ill., Chicago**—Boye Needle Co., 4343 Ravenswood Ave., let contract building 2 and 3 story, 40 x 160 ft. rein.-con. and brick factory, concrete foundation, at 4339 Ravenswood Ave., to Strandberg Bros. Co., 19 South La Salle St. About $45,000.

★**Wis., Kohler**—Kohler Co. let contract building 4 story, 60 x 250 ft. brick, rein.-con. and steel factory, rein.-con. flooring, brick foundation, on Main St., to Worden-Allen Co., 208 South La Salle St., Chicago. $47,950. Noted Aug. 28.

★**Wis., Port Washington**—Gilson Gas Engine Mfg., Co. let contract building 1 story, 160 x 300 ft., brick and steel factory, rein.-con. flooring, brick foundation, on Main St. About $40,000. Private plans.

★**Wis., Sheboygan**—W. C. Weeks, archt., 730 Ontario Ave., let contract to F. Geib, South 15th St., building 2 story, 60 x 185 ft. brick, rein.-con. and steel garage, rein.-con. flooring, brick foundation, on Wisconsin Ave., for H. C. Prange Co., 731 North 8th St. About $50,000. Noted Aug. 28.

★**Ia., Manning**—F. D. Ross & Co., let contract building 1 story, 90 x 150 ft., rein.-con. garage, rein.-con. flooring, concrete foundation, to C. J. Haas, Manning, $65,000.

★**N. D., Fargo**—J. McCormick Transfer Co. let contract building 3 story concrete and brick warehouse and office, on 4th Ave. and 5th St. N., to T. F. Powers & Co., 419 8th St. About $60,000.

★**Mo., St. Louis**—Amer. Brake Co., 1926 North 2nd St., let contract building 4 story, 130 x 150 ft., rein.-con., steel and brick factory, rein.-con. flooring, rock foundation, on North 2nd St., to Selden Brecht Constr. Co., Fullerton Bldg. About $225,000.

★**Mo., St. Louis**—Booth Fisheries Co., 409 Franklin Ave., will construct 3 story, 40 x 130 ft., rein.-con. and brick cold storage plant and mercantile store building, rein.-con. flooring, rock foundation, at 411 Franklin Ave. About $50,000. Work will be done by day labor.

★**Mo., Springfield**—Springfield Furniture Co., Pine St. and Blvd., let contract building 5 story, 80 x 150 ft., rein.-con., steel and brick factory, rein.-con. flooring, concrete foundation, to Springfield Constr. Co., Springfield. About $100,000.

★**Tex., Houston**—City let contract building frame cotton shed on Wharf No. 2, Turning Basin, Port Houston, to Horton & Horton, McKinney and Velasco Sts. About $40,000.

★**Tex., Houston**—H. House let contract building 2 story, brick warehouse on Nance and Maffit Sts., to H. F. Bailey, 2208 McLelland St. About $43,000.

★**Ore., Astoria**—Pacific Power & Light Co. let contract building power plant on 50-acre site on east side of Youngs Bay, to Phoenix Utility Co., Portland. About $175,000.

★**Ont., Hamilton**—T. Eaton Co., Ltd., 190 Yonge St., Toronto, let contract building 4 story, 150 x 200 ft. rein.-con. and steel warehouse, rein.-con. flooring, concrete foundation, on Fergus Ave. and King William St., to Wood, Alexander & James, King St. E. About $280,000; cost plus 10%.

★**Ont., Kitchener**—Ames Holden Co. let contract building 2 story, 100 x 145 ft. structural steel factory, rein.-con. flooring, concrete foundation, on King St., to Dunker Bros., Kitchener. About $150,000. Noted June 26.

Buildings

PROPOSED WORK

Me., Auburn—Y. M. C. A., 2 West 45th St., New York City, having plans prepared by Jallade & Lindsey, archts. and engrs., 37 Liberty St., New York City, for 3 story, brick, steel and stone building, brick foundation, here. About $150,000.

Me., Lewiston—Theatre—Hamilton Theatre Corp., 112 West 42nd St., New York City, having plans prepared by DeRosa & Pereira, archts. and engrs., 110 West 40th St., New York City, for 100 x 150 ft. brick, steel and stone, brick foundation, on Main St., here. About $250,000.

Mass., Boston—Theatre—M. Spiegel, Strand Theatre Bldg., New York City, plans to build brick, steel and stone, brick foundation, here. About $350,000. Architect not selected.

Mass., Boston—Theatre and Office—S. J. Krapp, archt. and engr., 116 East 16th St., New York City, preparing preliminary plans for 3 story, 100 x 100 ft. brick and steel, brick foundation, on Tremont and Elliott Sts., here. About $250,000. Owner"s name withheld.

Conn., Naugatuck—Jallade & Lindsey, archts. and engrs., 37 Liberty St., New York City, soon let contract constructing 3 story brick, steel and stone building, brick foundation, on Church St., here, for Y. M. C. A. About $250,000. Noted Feb. 20.

Conn., New Haven—Library—Yale University plans to build library in memory of late J. W. Sterling. About $5,000,000. Architect not selected.

Conn., Rockville—High School—Bd. Educ. having plans prepared by W. Potter, archt., 22 East 17th St., New York City, for altering brick and steel high school. About $85,000.

N. Y., Buffalo—Theatre—M. Spiegel, Strand Theatre Bldg., New York City, plans to build brick, steel and stone, brick foundation, here. About $450,000. Architect not selected.

Buildings (Continued)

N. Y., Rochester—Theatre—M. Spiegel, Strand Treatre Bldg., New York City, plans to build brick, steel and stone, brick foundation, here. About $350,000. Architect not selected.

N. Y., Utica—Theatre—M. Spiegel, Strand Theatre Bldg., New York City, plans to build brick, steel and stone, brick foundation, here. About $350,000. Architect not selected.

N. J., Bayonne—Hospital—Bd. Dirs. Bayonne City Hospital having preliminary sketches prepared by Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., New York City, for concrete and steel addition, rein.-con. flooring, concrete and brick foundation. About $250,000. Noted Aug. 21.

N. J., Newark—Office—United Cigar Stores Co., 44 West 18th St., New York City, plans to build 1 story, 25 x 26 x 125 ft., stone, steel and brick, brick foundation, on Broad and Center Sts. L. E. Denslow, 44 West 18th St., New York City, archt. and engr.

N. J., Roselle—School—Bd. Educ. having plans prepared by Rasmussen & Wayland, archts., 1133 Bway., New York City, for 2 story, brick and terra cotta, brick foundation. About $60,000.

N. J., Westfield—Church and Sunday School—Ludlow & Peabody, archts. and engrs., 101 Park Ave., New York City, receives bids about Oct. 10, building 1 story, brick and terra cotta, brick foundation, on Elm St., for 1st Baptist Church, Westfield. E. J. Holder, pastor. About $50,000. Noted Apr. 3.

Pa., Bethlehem—Church—Simon & Jude Church, West Bethlehem, plans to build 2 story, 40 x 70 ft. steel and brick, rock foundation. About $62,000. Architect not selected.

Pa., Johnstown—Schools—City plans election to vote on $2,000,000 bonds to extend and improve various schools. Plans include new high school and other buildings. J. D. Meyer, secy. bd. Architect not selected.

Pa., Lee Park—Club—Boro. plans to build 2 story, 30 x 48 ft. brick and steel, rein.-con. flooring, rock and concrete foundation, on Lee Park Ave. About $50,000. Architect not selected.

Pa., Luzerne—Clubhouse—Duplan Silk Co. plans to build 3 story, 50 x 50 ft. brick, rock and concrete foundation, on Luzerne St. About $54,000.

Pa., Munhall (Homestead P. O.)—School—Bd. Educ. retained W. G. Eckles, archt., Lawrence Savings & Trust Bldg., New Castle, to prepare plans for high school. About $200,000.

Pa., Nanticoke—Nurses Home—Nanticoke State Hospital plans to build 3 story 40 x 50 ft., steel and brick, rein.-con. flooring, concrete foundation, on Elm St. About $75,000.

Pa., Phila.—Office—Phila. Evening Bulletin, Bulletin Bldg., plans to build 5 story, concrete and steel addition, on Juniper and Arch Sts. Cost to exceed $50,000. E. V. Seeler, 101 South Juniper St., archt.

Pa., Phila.—Stations—Dept. City Transit, 1211 Chestnut St., postponed date indefinitely for receiving bids (which were to be opened Sept. 16) for stations for Frankfort Elevated Ry. Noted Sept. 11.

Pa., Pittsburgh—Hospital—Montifiore Hospital, 3000 Center Ave., having preliminary sketches prepared by E. S. otz archt., Monongahela Bank Bldg., for 3 story brick addition to present building, concrete foundation. About $75,000.

Pa., Wilkes Barre—Theatre—M. E. Comerford Amusement Co., 303 Lackawanna Ave., Scranton, plans to build 2 story, 80 x 156 ft., on Public Sq. here. About $260,000. L. H. Lempert, Cutler Bldg., Rochester, N. Y., archt. Noted Jan. 30.

Pa., Wilkes Barre—Theatre—Lewith Amusement Co. plans to build 3 story, 100 x 175 ft. steel and brick, rein.-con. flooring, rock foundation, on Northampton St. About $500,000. Architect not selected.

Va., Petersburg—Bank—Amer. Bank & Trust Co. had plans prepared for 10 story, 70 x 90 ft., brick and granite, on Sycamore St. About $450,000, including site. W. B. McIlwaine, pres.

N. C., Wayneville—Hotel—J. R. Boyd and others plan to build 250 room hotel. About $250,000. Architect not selected.

N. C., Wilson—Hotel—R. A. Cherry plans to build 7 story, 90 x 147 ft. on Nash St. About $250,000. Benton & Benton, Wilson, archts.

Ala., Birmingham—Church—Norwood Methodist Church had plans prepared for brick church. About $100,000. W. F. Price, pastor.

O., Alliance—Auditorium and Gymnasium—Mt. Union College having preliminary plans prepared for memorial auditorium and gymnasium, on campus. About $200,000.

O., Cleveland—Auditorium—Slovenski Narodin Dorn, 2563 East 80th St., plans to build 2 story, 44 x 103 ft., rein.-con., steel and brick. About $50,000. Architect not selected.

O., Cleveland—Commercial—J. Babin, 13661 Euclid Ave., plans to build 5 story, 85 x 286 ft., rein.-con., steel and brick, on Euclid Ave. About $100,000. Architect not selected.

O., Cleveland—Office—Euclid Windsor Co., Citizens Bldg., plans to build 2 story, 90 x 200 ft., rein-con., steel and brick, on East 46th St. and Windsor Ave. About $250,000. Architect not selected.

O., Cleveland—Sales Room—See "Industrial Works."

O., Cleveland—Theatre—M. Spiegel, 1579 Bway., New York City, plans to build brick, steel and stone, here. About $450,000. Architect not selected.

O., Columbus—Sales Room—Armleder Sales Co., 304 West Broad St., plans to build 2 story, 60 x 80 ft., on East Broad St. About $50,000. Architect not selected.

O., Columbus—Sales Room—See "Industrial Works."

O., Dayton—Office and Exchange—Bell Telephone Co. plans to build 4 to 6 story, 70 x 150 ft., rein.-con., steel and terra cotta, rein.-con. flooring, concrete foundation, at 117 West 2nd St. About $150,000. Architect not selected.

Mich., Detroit—Bank—Dime Bank, Griswold St., had plans prepared by G. M. Lindsey, archt., 2201 Dime Bank Bldg., for 2 story, 30 x 60 ft., granite and steel, rein.-con. flooring, concrete foundation, on Chene St. About $50,000.

Mich., Ferndale (Royal Oak P. O.)—Commercial—C. D. Bader, 3302 Woodward Ave., Detroit, preparing plans for 2 story, 80 x 100 ft., brick, steel and frame, concrete foundation, on Woodward Ave. and Nine Mile Rd. About $60,000.

Mich., Pontiac—Administration and Office—Oakland Motor Car Co. had plans prepared for 4 story, 52 x 284 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation.

Wis., Eau Claire—Church—St. Ann's Church plans to build church on 36th and Wright Sts. About $100,000.

Wis., Hartford—Church—St. Kilnan's Church plans to build 2 story, 100 x 250 ft. brick, stone and tile, brick foundation. Cost between $50,000 and $75,000. J. Hartman, pastor. Architect not selected.

Wis., Holland (Oostburg, P. O.)—School—School Dist. No. 1, Oostburg soon lets contract building 2 story, 90 x 110 ft. brick, rein.-con. and tile, brick and concrete foundation, here. J. Houwers, Jr., Sheboygan Falls, engr.

Wis., Madison—Hospital—Western Wisconsin Methodist Churches, 203 Wisconsin Ave., plan to build hospital. About $50,000.

Ia., Ottumwa—High School—Bd. Educ. plans election to vote on bonds to build high school. Architect not selected.

Ia., Richland—High School—City voted $80,000 bonds to build high school. Architect not selected.

Minn., Cloquet City—City Hall—City plans to build 2 story, 46 x 76 ft., brick and rein.-con., wood flooring. About $50,000. Holstead & Sullivan, Palladio Bldg., Duluth, archts.

Kan., Wichita—Bank—Kansas Nat'l Bank, Main and Douglas Sts., plans to build 6 story, 75 x 150 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, at 5 Market St. About $200,000. Architect not selected.

S. D., Sioux Falls—Exchange—Northwestern Telephone Co., 10th and Dakota Aves., soon receive bids building 3 story, 31 x 76 ft. steel, brick and tile addition. About $125,000. A. H. Stem, 601 Endicott Bldg., St. Paul, Minn., archt.

N. D., Fargo—School—St. Mary's Church plans to build 3 story, on 7th St. N. About $65,000. Braseth & Rosatti, Fargo, archts.

Mont., Missoula—High School—Missoula Co. voted $100,000 bonds to purchase site and build high school.

Mo., St. Louis—Bank and Office—A. Heman, c/o Heman Constr. Co., Title Guaranty Trust Bldg., plans to build 2 story 70 x 100 ft., brick, concrete and stucco, on Delmar and Laurel Aves. About $100,000. Angela Realty Co., St. Louis, engrs. Architect not selected.

Mo., St. Louis—Club—Young Men's Hebrew Assn. plans to remodel and build 5 story, 100 x 150 ft., concrete and brick addition, rock foundation, on Delmar St. near Grand St. About $50,000. W. Freund, pres. Architect not selected.

Mo., Springfield—Temple—Abon Ben Adhem Shrine having plans prepared by Heckenlively & Mark, archts., Landers Bldg., for 3 story, concrete, steel and brick, rein.-con. flooring, rock and concrete foundation. About $300,000.

Mo., University City (St. Louis P. O.)—School—W. Heunbuettner, engr., University City, soon receives bids building 3 story, 175 x 225 ft., concrete and brick, concrete and rock foundation, for Bd. Educ. About $200,000. Architect not selected.

Tex., Ft. Worth—Bank and Office—Farmers & Mechanics Natl. Bank, 712-714 Main St., plans to build 24 story, 100 x 100 ft. steel, concrete and terra cotta, rein.-con. flooring, concrete foundation. Sanguinett & Staats, 1st Natl. Bank Bldg., and Mauran, Russell, Crowell, Chemical Bldg., St. Louis, archts.

Tex., McKinney—Hospital—City voted $100,000 bonds to build hospital. H. A. Finch, mayor.

Wash., Seattle—Theatre—H. W. Bruen, c/o Majestic Theatre, 2044 Market St., and F. Fohr, having plans prepared by E. W. Houghton, archt., Lumber Exch. Bldg., for 1 story, 60 x 103 ft., steel and brick, rein.-con. balcony, in University Dist. About $75,000. Noted Sept. 11.

Wash., Vancouver—City Hall—City plans election soon to vote on $75,000 bonds to build 2 or 3 story, concrete, brick or stone. R. E. Brady, city clk. Architect not selected.

Ore., Forest Grove—Home—East Star Lodge purchased 31 acre site ½ mi. east of city, and plans to build 2 or 3 story brick. About $75,000. E. C. Bronaugh, Forest Grove, grand master. Architect to be named later.

Ore., Portland—Chautauqua—Ellison-White Chautauqua System, Bway. Bldg., purchased 100 x 100 ft. site on West Park and Taylor Sts. and plans to build 2 story, brick. About $50,000. Architect not selected.

Ore., Portland—Club—Knights of Columbus, Park and Taylor Sts., having plans prepared by J. Jacobberger, archt., Bd. Trade Bldg., for 4 story, 50 x 100 ft. mill construction, to include bowling alleys, swimming pools, gymnasium, etc. About $100,000.

Cal., Anaheim—Schools—School Trustees having plans prepared by Jeffery & Schaefer, archts., 1106 Kerckhoff Bldg., Los Angeles for 2 schools, one 1 story 8 room, other 1 story, 4 room. Bonds for $117,000 voted for project. Noted May 8.

Cal., Modesto—Schools—City voted $350,000 bonds to build additions to 5 grammar schools and 1 high school. Noted Aug. 21.

Ont., Kingston—Library—Kingston Pub. Library Bd. plans to build public library. About $50,000; cost will be raised by public subscription. A. Kennedy, librarian.

Ont., Windsor—Theatre and Office—J. and J. J. Allen, Richmond St., Toronto, having plans prepared by C. H. Crane, archt., 2325 Dime Bank Bldg., Detroit, Mich., for 7 story, 60 x 120 ft., steel, brick and rein.-con., rein.-con. flooring, concrete foundation, here. About $400,000.

Ont., York—Schools—Town having plans prepared building two 2 story schools, steel and brick, rein.-con. flooring, concrete foundation. About $200,000. Engineer not selected.

Buildings (Continued)

Sask., Dodsland—Hall—Union of Local Fraternities having plans prepared for 2 story, 50 x 55 ft., steel and brick, concrete foundation, on Main St. About $50,000.

B. C., Prince Rupert—High School—School Bd. passed bylaw to authorize expenditure of $150,000 bonds to build 3 story high school. J. W. Potter, Prince Rupert, archt.

B. C., Vancouver—School—Bd. School Trustees plans election Sept. 30 to vote on $75,000 bylaw to build addition to Dawson School, on Nelson and Barnard Sts., 3 story rein.-con., rein.-con. flooring, concrete foundation. P. P. Brown, 410 London Bldg., engr., A. A. Barns, School Bd. offices, archt.

BIDS DESIRED

Pa., McKeesport—Until Sept. 30, by Jallade & Lindsey, archts. and engrs., 37 Liberty St., New York City, constructing 4 story, 112 x 170 ft. brick, steel and stone building on Sinclair and Ringold Sts., for Y. M. C. A. About $300,00. Noted Sept. 11.

O., Cleveland—Bank—G. B. Post & Son, archts., Schofield Bldg., receiving bids building 4 story, 87 x 100 ft., rein.-con., steel and brick addition, for Cleveland Trust Co., East 9th St. and Euclid Ave. About $75,000.

O., Cleveland—Bank and Office—F. Hronek, archt., 3655 Bway. Ave., receiving bids building 2 story, 40 x 96 ft., rein.-con., steel and brick, on Bway. Ave., for Voela Bldg. & Loan Assn., 5733 Bway. About $50,000. Noted July 3.

O., Cleveland—Sales—See "Industrial Works."

O., Cleveland—School—Bd. Educ. receiving bids building 1 story, 100 x 160 ft., rein.-con., steel and brick, on Miles Ave. About $100,000. W. R. McCormack, East 6th St. and Rockwell Ave., archt. Noted June 26.

Wis., Sun Prairie—Church—Until Oct. 1, by Sacred Heart of Jesus Church, and J. Paulu, archt., St. Francis, Route 1, Sta. D, Milwaukee, building 1 story, 64 x 173 ft. brick, steel and tile, brick foundation, on Main St. About $70,000.

Wis., Union Grove—School—Until Sept. 29, by J. Chandler, archt., 400 Main St., Racine, building 1 story, 75 x 116 ft. brick, rein.-con. and tile, brick foundation, on Main St., for Job Dist. No. 1. About $50,000. W. E. Stone, clk.

Minn., Balaton—School—Until Oct. 6, by Bd. Educ., building 2 story, 60 x 90 ft., brick and rein.-con. grade and high school. About $75,000. C. H. Parson, Bldrs. Exch., Minneapolis, archts. Noted Aug. 28.

Minn., Minneapolis—School—Until Oct. 11, by Bd. Educ., building 1 story, 60 x 140 ft., on 19th Ave., N. E. and Pierce St. About $52,000. Bureau Bldgs., c/o Bd. Educ. archts.

Kan., Emporia—Bank—Until Oct. 1, by Citizens Nat'l Bank, building 7 story, 62 x 130 ft. rein.-con., steel and brick, rein.-con. flooring, rock and concrete foundation. About $350,000. Weary & Alford, 1907 South Michigan Ave., Chicago, archts. Noted Aug. 21.

Ont., Toronto—Office, etc.—Until Sept. 29, by Canadian Genl. Electric Co., 212 King St. W., building 6 story, 50 x 200 ft. mill construction office and warehouse, concrete foundation. About $200,000. V. Chadwick, 132 Church St., archt.

Sask., Biggar—Hospital—Until Oct. 15, by J. M. Morrison, archt., 285 Drinkle Blds., Saskatoon, building 3 story, 75 x 100 ft., steel and brick, concrete foundation, on Broad St., for Hospital Bd. About $75,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Springfield**—Church and School—St. George Greek Orthodox Society let contract building 1 story, 78 x 89 ft. brick and steel, concrete flooring, concrete foundation, on Patton St., to C. S. Hardy, 60 Northampton Ave. About $50,000. Noted Aug. 28.

★**Mass., Worcester**—Hospital—City let contract building 2 story, 33 x 149 ft. brick, concrete foundation, on Belmont St., to J. J. Roberts, 4 Wall St., $106,343. Noted Sept. 11.

★**N. Y., Brooklyn**—Synagogue—Congregation Tiefereth Israel, c/o Shampan & Shampan, archts., 50 Court St., will build 2 story brick and terra cotta, brick foundation, on 14th St. and 7th Ave. About $250,000. Work will be done by day labor. Noted Sept. 4.

★**N. Y., Brooklyn**—Store and Office—Schulte Realty Co., 386 Bway., New York City, let contract building 2 story, brick, steel and stone, brick foundation, on Fulton, Pearl, Willoughby and Adams Sts., to Blot & Baust, 403 West 34th St., New York City. About $70,000. Noted Sept. 11.

★**N. Y. Brooklyn**—Theatre—J. Manheimer, 1694 49th St., will build 3 story, 203 x 302 ft. brick, steel and stone, brick foundation on Flatbush Ave. and Albemarle Rd. About $450,000. Work will be done by day labor. Noted Aug. 21.

★**N. Y., Hartsdale**—School—Tooker & Marsh, archts., 101 Park Ave., New York City, let contract to Wallace Bros., 7 East 42nd St., New York City, for 1 story brick and terra cotta, brick foundation, here, for Bd. Educ. About $75,000. Noted Aug. 21.

★**N. Y., New York**—Hotel—Beadleston Realty Co., c/o Wallis & Goodwilbie, archts., 56 West 45th St., let contract building 7 story brick and steel, brick foundation, on East 58th St. and 5th Ave., to D. Morrison, 119 West 33rd St. About $75,000. Noted May 8.

★**N. Y., New York**—Nurses Home—C. P. H. Gilbert, archt. and engr., 1123 Bway., let contract to C. A. Cowan, 30 East 42nd St., building 5 story, 40 x 50 x 100 ft. brick, steel and stone, brick foundation, at 407 West 24th St., for St. Marys Free Hospital, 405 West 34th St. About $75,000. Noted July 31

★**N. Y., New York**—Office—Buchman & Kahn, archts. and engrs., 56 West 45th St., let contract to G. R. Davis, 30 East 42nd St., New York City, for 16 story brick steel and stone, brick foundation, on 36th St. and 7th Ave. About $1,200,000. Owners name withheld. Noted Sept. 4.

★**N. Y., New York**—Office—Munson Steamship Line, 82 Beaver St., let contract altering 15 story brick and steel, to J. Downey, Inc., 410 West 34th St. About $60,000. Noted Aug. 14.

★**N. Y., New York**—Post Office—N. C. Partos, c/o L. A. Sheinart, archt., 192 Bowery, will build 3 story, 75 x 197 ft. brick and steel, brick foundation, at 122 East 23rd St. U. S. Government, lessee. About $150,000. Work will be done by day labor. Noted June 19.

N. J., Bayonne—School—Bd. Educ. received bids Sept. 4 building P. S. No. 1 on Ave. C. and P. S. No. 4 on East 5th St., both 2 story, brick, from De Kimji Constr. Co., New York Ave., Union Hill, $260,000 each. Noted July 31.

★**N. J., Newark**—Theatre—W. A. Swasey, archt., 101 Park Ave., New York City, let contract building 150 x 150 ft., brick, steel and terra cotta, brick foundation, on Broad and Rector Sts., here, to Norton, Bird & Whitman, 501 5th Ave., New York City. About $500,000. Owner's name withheld.

★**N. J., Union Hill**—Store—A. Holthausen, 113 Bline Ave., let contract building 2 story, 75 x 117 ft. brick and steel department store, brick foundation, on Bergenline Ave., to DeRiso Bros., 17 Bline Ave. About $250,000.

★**Pa., Burgettstown**—Bank—Washington Natl. Bank let contract building 1 story, 40 x 75 ft. steel and stone, concrete foundation, to J. A. Romana, Burgettstown. About $80,000.

☆**Pa., Danville**—Hospital, etc.—G. F. Geisinger, let contracts to Shepherd Constr. Co., Main St., Wilkes-Barre, building 4 story, 42 x 158 ft., concrete, steel and brick hospital, rein.-con. flooring, brick foundation, cost $154,000; 1 story, 58 x 80 ft. concrete, steel and brick operating building rein.-con. flooring, concrete foundation, $61,000; 2½ story, 34 x 86 ft. laboratory, concrete, rock foundation, $49,000. Noted May 29.

★**Pa., Hazleton**—School—City let contract building 2 story, 50 x 50 ft. steel and brick, rein.-con. flooring, rock foundation, in Hazleton Heights, to H. L. Campbell, Poplar and Noble Sts. About $67,000. Noted Aug. 14.

★**Pa., St. Johns**—School—St. Johns Church let contract building 3 story, 40 x 200 ft. with 50 x 50 ft. wing, concrete, steel and brick, rein.-con. flooring, rock and concrete foundation, on William St., to J. Curtis & Co., 1 Hickory St., Wilkes-Barre. About $251,000.

★**Pa., Scranton**—Store—New Wall Paper Co., 98 South Main St., Wilkes-Barre, let contract building 4 story, 60 x 120 ft. steel and brick, rein.-con. flooring, concrete foundation, on Wyoming Ave., to E. A. Fuller Co., 1616 Dickson Ave. About $210,000.

★**Pa., Scranton**—Store—M. Silverberg 209 Lackawanna Ave., let contract building 4 story, 35 x 75 ft. stone, steel and brick, rein.-con. flooring, rock foundation, on Penn and Lackawana Aves., to E. A. Fuller, 1616 Dickson Ave. About $110,000.

Va., Richmond—Store—Richmond Art Co., 5 East Broad St., received bids Sept. 15, building 4 story, 34 x 152 ft., on 1st and Grace Sts., from W. P. Thurston Co., 11th and Main Sts., $64,000; J. C. Beazley Co., Real Estate Exch. Bldg., $66,000; A. F. Perrin, 808 Greenwood Ave., $72,000.

★**O., Canton**—School—Bd. Educ. let contract building 2 story, 114 x 200 ft., rein.-con., steel and brick, on 16th and Vine Sts., to S. H. Evans, 8 East Long St., Columbus. About $200,000. Noted Aug. 21.

★**O., Cleveland**—Chapel—Schauffler Missionary Training School, 5111 Fowler Ave., let contract building 1 story, 41 x 105 ft., rein.-con., steel and brick, on Bway. Ave., to J. Grant, 4500 Euclid Ave. About $60,000. Noted Sept. 11.

★**O., Cleveland**—Commercial—Snearer Furniture Co., 72 Wymore St., let contract building 4 story, 80 x 279 ft., rein.-con., steel and brick, at 10022 Euclid Ave., to McMillan Co., 1794 East 55th St. About $150,000. Noted Sept. 4.

★**O., Cleveland**—Sales Room—See "Industrial Works."

★**O., Columbus**—Sales Room—See "Industrial Works."

★**O., Delaware**—Sanitarium—C. L. Insco, archt., Brunson Bldg., Columbus, let contract to R. Hopper, Delaware, building 4 story, 40 x 154 ft., brick and stone, rein.-con. foundation, for Delaware Springs Sanitarium Co. About $120,000. Noted May 15.

★**O., London**—Administration—State Bd. Administration, Columbus, will build 2 story, 64 x 200 x 275 ft., brick and stone, at State Farm Penitentiary, here. Work will be done by day labor.

★**Mich., Detroit**—Mercantile—A. Y. Malcolmson, 610 Congress Bldg., let contract building 6 story, 20 x 100 ft., brick and steel, wood flooring, concrete foundation, on Griswold St., to G. D. Nutt, 632 Farwell Bldg. About $90,000.

★**Mich., Detroit**—School—Bd. Educ. let contract building (a) addition to Nichols School, (b) Ellis School, (c) Condon School, (1) masonry, (2) carpentry, (3) heating, ventilating and plumbing, to Corrick Bros., 507 Owen Bldg., (a1) $94,486; H. M. Martens Co., 221 Moffat Bldg., (a2) $18,356, (c2) $23,774; M. B. O'Connor, Penobscot Bldg., (a3) $42,025, (c3) $48,996; A. J. Smith Constr. Co., Campau Bldg., (b1) $58,000, (c1) $124,900; Harcus & Co., 774 Russell St., (b2) $12,679; A. W. Schultz & Co., Penobscot Bldg., (b3) $36,927. Noted Sept. 11.

Mich., Detroit—School—Bd. Educ., 50 Bway. Ave., received bids building (a) Angell School, (b) addition to Carstens School, (c) addition to Throwbridge School, (d) open air school on Clippert site, (e) open air school, Davison Annex, (1) masonry, (2) carpentry, (3) heating, ventilating and plumbing, (4) general specifications, from J. Bollin Co., 906 Bellevue Ave., (a1) $79,000, (b1) $103,800, (c1) $69,800; W. H. Mueller, Ford Bldg., (a1) $82,000, (b1) $99,700; A. J. Smith Constr. Co., Campau Bldg., (a1) $93,500, (b1) $104,800, (c1) $74,500; E. Thiede, 287 Berlin St., (a2) $20,900, (b2) $25,350, (c2) $15,550; J. W. Partlan, 51 Park Pl., (a3) $43,890, (c3) $36,833; Irvine & Meier, 2289 Woodward Ave., (a3) $48,599, (b3) $52,051, (d3) $6512, (e3) $7393; Drake Avery Co., 40 State St., (a3) $49,217, (c3) $40,715; H. M. Martens Co., 221 Moffat Bldg., (b2) $25,380, (d4) $25,780, (e4) $28,740; W. J. Renoldt, 506 Owen Bldg., (b3) $51,051, (c3) $40,325, (d3) $8397, (e3) $8603; R. L. Spitzley Heating Co., Vinton Bldg., (b3) $58,177; M. A. Mahoney, Penobscot Bldg., (c1) $68,800; A. W. Schultz & Co., 815 Gratiot Ave., (d3) $12,789, (e3) $12,289. Noted Sept. 18.

★**Mich., Grand Rapids**—Seminary—St. Joseph Seminary, Boston St., let contract building 3 story, 90 x 200 ft. with 104 x 117 ft. wings, rein.-con., brick and stone, rein.-con. and wood flooring, concrete foundation, on Boston St. and Union Ave., to J. McNabb & Son, 203 Murray Bldg. About $200,000. Noted Aug. 28.

Buildings (Continued)

★**Ill., Chicago**—Club—Quadrangle Club, Chicago University Campus, let contract building 4 story, 60 x 140 ft. rein.-con., and stone, rein.-con. flooring, concrete foundation, to C. E. Clark Co., 69 West Washington St. About $225,000.

★**Wis., Augusta**—School—Bd. Educ. let contract building 2 story, 34 x 62 ft. and 46 x 52 ft. concrete, brick and steel additions, concrete foundations, to Hoeppner & Bartlett, 414 Grand Ave. E., Eau Claire. About $50,000.

Wis., Superior—Auditorium—City received bids Sept. 11, building 3 story, 102 x 140 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, on 14th St. and Ogden Ave., from Fleischer Constr. Co., Builders' Exch. Bldg., Minneapolis, $166,000; H. D. Crassweller, Columbia Bldg., Duluth, $168,200; McLeod & Smith, Sellwood Bldg., Duluth, $170,387. Noted Aug. 21.

★**Minn., Mountain Lake**—Hospital—City let contract building 3 story, rein.-con. and brick, to J. R. Nelson, Mankato. About $75,000; cost plus percentage basis. Noted June 26.

★**Kan., Arkansas City**—Church—Roman Catholic Church let contract building 2 story concrete, steel and brick, rock and concrete foundation, to H. N. Fowler, Arkansas City. Cost plus percentage basis.

★**Neb., Hickman**—School—Bd. Educ. let contract building 2 story, 60 x 100 ft. rein.-con., steel and brick, concrete foundation, to R. O. Stake, Lincoln. About $62,800. Noted Aug. 14.

★**Neb., Omaha**—Sales—Nebraska & Wyoming Investment Co., Brandeis Theatre Bldg., let contract building 3 story, 108 x 183 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, to J. E. Wakefield, 750 Brandeis Theatre Bldg. About $250,000.

★**S. D., Madison**—Hospital—R. S. Westaby let contract building 3 story, 49 x 180 ft. rein.-con. and brick, to R. S. Billingsley, 547 Plymouth Bldg., Minneapolis, Minn., $78,940. Noted Sept. 4.

★**N. D., Fargo**—Office—See "Industrial Works."

★**Mo., St. Louis**—Mercantile — Bircher Realty Co., 3950 Westminster St., let contract building 5 story, 80 x 125 ft., concrete and brick, rein.-con. flooring, concrete foundation, on Bircher St., to J. J. Bowling, c/o owner. About $60,000.

★**Tex., Cameron**—High School—School Bd. Trustees let contract building 2 story, brick, rein.-con. and steel, to J. Wattinger, Austin. About $97,500. Noted Aug. 14.

★**Wash., Hoquiam**—School—St. Marys Catholic School let contract building 2 story, 46 x 82 ft., brick veneer, on 2nd St., to L. P. Cyewski, Aberdeen. About $50,000.

★**Cal., Merced**—High School—Union High School Dist. let contracts erecting group of concrete and brick high school buildings as follows: excavation, concrete, masonry, terra cotta and carpentry, to E. E. Etherton Co., Monadnock Bldg., San Francisco, $90,788; wiring, to Golden State Electric Co., 745 West 7th St., Los Angeles, $5750; plumbing, heating and ventilating, to Hateley & Hateley, Mitan Bldg., Sacramento, $16,220. Noted Aug. 21

★**Ont., Hamilton**—Theatre—G. Stroud Savoy Theatre, let contract remodeling and altering 2 story, 80 x 150 ft. brick and steel, rein.-con. flooring, concrete foundation, to A. Bressette, 58 Peter St. About $60,000.

★**Ont., St. Catharines** — Theatre and Offices—J. and J. J. Allen, Richmond and Victoria Sts., Toronto, let contract building 2 story, 100 x 150 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, here, to N. McLeod, Kent Bldg., Toronto. Cost plus $15,000.

★**Ont., Toronto**—Hotel—United Hotels Co., King Edward Hotel, let contract building 15 story, 500 room addition to King Edward Hotel, on King St. E., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, to Dickie Constr. Co., Ryrie Bldg. About $200,000; cost plus 10%. Noted Aug. 28.

★**Sask., Candiac Sta.**—School—School Bd. let contract building 3 story, 40 x 60 ft. steel and brick, concrete foundation, on Riverdale Ave., to Waterman & Co., Donahue Blk., Rosina. About $53,000.

Federal Government Work

PROPOSED WORK

Conn., Mystic—Post Office—Treas. Dept., Wash., D. C., rejected bids received Aug. 25, furnishing labor and material for post office, here. J. A. Wetmore, superv. archt. Noted Aug. 28.

N. Y., New York—Dredging—U. S. Engr. Office, 39 Whitehall St., rejected bids received Aug. 29, dredging in Newtown Creek. Noted July 31.

N. Y., Staten Island—Aerial Defense Station—Constr. Div., War Dept., Wash., D. C., soon receives bids building aerial defense station, to include three 60 x 140 ft. hangars, 100 x 150 ft. machine and engine repair shop, 75 x 100 ft. supply storehouse, 75 x 100 ft. barracks, administration building, guard house, photographic laboratory, officers quarters and 20 cottages, brick, hollow tile, terra cotta, etc. About $1,000,000.

Pa., Phila.—Magazine—Spec. 4037—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build magazine No. 352, here. About $16,000.

Pa., Phila.—Repairing Dike—U. S. Engr. Office, Phila., rejected bids received Aug. 19, repairing dike at Artificial Island. Noted Sept. 4.

Va., Hampton Roads—Grading and Seeding—Spec. 4040—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to grade and seed streets here.

Va., Norfolk—Dredging—U. S. Engr. Office, Custom House, rejected bids received Aug. 27, dredging in waterway from Norfolk to Sounds of North Carolina. Noted July 31.

Wash., Puget Sound—Garage—Spec. 4038—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here. About $7000.

Wash., Puget Sound—Storehouse—Spec. 4039—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build storehouse for pyrotechnics, here. About $6500.

BIDS DESIRED

N. Y., Tompkinsville—Rip Rap—Until Sept. 29, by Lighthouse Supt. 3rd Dist., furnishing and placing rip rap at Plumb Beach Light Sta.

Md., Hyattsville — Water-Works — Until Oct. 6, by Wash. Suburban Sanitary Comn., 611 F. St., N. W., building concrete tanks and substructure in Hyattsville Dist., for water purification works and pumping station with 1,000,000 gal. capacity per 24 hours; advertised in this issue.

D. C., Wash.—Sewer and Excavating—Until Oct. 16, by Office Pub. Bldgs. and Grounds, constructing drainage sewer and excavating 130,000 cu.yd. material for reflecting pool in West Potomac Park; advertised in this issue.

S. C., Charleston—Dredging—Until Oct. 16, by U. S. Engr. Office, Charleston, dredging in proposed 40 ft. channel in Cooper River, near here.

Fla., Jacksonville—Dredging—Until Oct. 20, by U. S. Engr. Office, Jacksonville, dredging in Hillsboro Bay; advertised in this issue.

Tenn., Memphis — Levee Work — Until Sept. 30, by Mississippi River Comn., 1st and 2nd Dists., Custom House, building 2,270,000 cu.yd. earthwork in Upper St. Francis, Lower St. Francis and White River Levee Dists. Noted Sept. 4; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. H., Portsmouth—Turbo Generator—Spec. 4017—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Sept. 17, installing 1000 kw. turbo generator, at Navy Yard, here, from Rideout, Chandler & Joyce, 178 High St., Boston, Mass., $9066 (130 days); Shevlin Engr. Co., 110 West 34th St., New York City, $10,540 (120 days); R. R. Bill & Co., 55 Fort St., Springfield, Mass., $11,868, (120 days). Noted Sept. 4.

★**R. I., Newport**—Structural Steel—Spec. 4023—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract furnishing structural steel for Emergency Repair Shop, here, to Donnell Zane Co., 298 Bway., New York City, $9879. Noted Sept. 18.

N. Y., Rockaway—Heating System and Fan Room—Spec. 4021—Bureau Yards & Docks, Navy Dept., Wash. D. C., received bids Sept. 17, installing heating system for Hangar No. 2 and building fan room, from E. Rutzler, 404 East 49th St., $7392, (60 days) (late bid); Austin Heating Corp., 121 West 42nd St., $7945 (60 days); Adams, Britz & Co., 1759 Park Ave., $8878 (time as specified); W. H. McKiever, 1123 Bway., $10,239, (time as specified). Contractors all of New York City. Noted Sept. 11.

N. Y., Stapleton—Kitchen and Mess Hall—Treas. Dept., Wash., D. C., received bids Sept. 15, building at U. S. Marine Hospital, here, from North Eastern Constr. Co., 101 Park Ave., $178,381; W. Werner Engr. Co., 50 Court St., $219,199. Contractors both of New York City. Noted Aug. 21.

★**N. Y., Tompkinsville**—Rip Rap—Lighthouse Supt., Tompkinsville, let contract furnishing and placing 500 tons rip rap to L. J. Sieling, 150 Nassau St., New York City, $7150. Noted Sept. 4.

Md., Annapolis—Boilers—Spec. 4025—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Sept. 17, installing 3 boilers in power plant, here, from H. E. Crook Co., 28 Light St., Baltimore, $40,325 (120 days); Heine Safety Boiler Co., 1120 Pennsylvania Bldg., Phila., $41,290 (120 days); Babcock & Wilcox Co., 11 North Amer. Bldg., Phila., $54,338, (120 days); late bid, stokers omitted, from E. Keeler Co., 238 West St., Williamsport, Pa., $37,249, (100 days). Noted Sept. 11.

D. C., Wash.—Wharf Repairs—Spec. 4029—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids repairing wharf at Naval Militia Barracks, (1) work complete, from Boyle Robertson Const. Co., 601 Evans Bldg., (1) $4109, (50 days), (2) add $.60, deduct $.10; Hyde & Baxter, 711 13th St., (1) $6680, (2) add $1, deduct $.25. Noted Sept. 11.

★**S. C., Charleston**—Mechanical, Stokers—Spec. 4010—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing in power plant, here, to Westinghouse Electric & Mfg. Co., Hibbs Bldg., Wash., D. C., $10,679, (75 days). Noted Sept. 18.

S. C., Charleston—Turbo Alternator—Spec. 4011—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Sept. 17, installing 2500 kva. turbo alterantor, at Navy Yard, here, from Shevlin Engr. Co., 110 West 34th St., New York City, $25,680, (120 days); Carroll Electric Co., 714 12th St., N. W., Wash., D. C., $27,335 (150 days); Almiral & Co., 1 Dominic St., New York City, $37,526, (150 days). Noted Sept. 4.

★**Fla., Pensacola**—Removal of Pier—Spec. 4019—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract removing pier at Center Ave., to Southern Constr. Co., Brent Bldg., $5366, (27 days). Noted Sept. 18.

★**La., New Orleans**—Equipment—Spec. 3882—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract furnishing mechanical equipment for power plant, here, to Carroll Electric Co., 714 12th St., N. W., Wash., D. C., $139,500 (180 days). Noted Sept. 11.

★**Ill., Chicago**—Breakwater—U. S. Engr. Office, 508 Federal Bldg., let contract building rubble mound breakwater at Indiana Harbor, Ind., to Great Lakes Dredge & Dock Co., 104 South Michigan Ave., $455,020. Noted Aug. 7.

Kan., North Topeka — Post Office — Treas. Dept., Wash., D. C., received only bid Sept. 18, building, here, from W. D. Lovell, 1415 South East 8th St., Minneapolis, Minn., $53,800. Noted Aug. 14.

Nev., Winnemucca—Post Office—Treas. Dept., Wash., D. C., received bids Sept. 15, building, here, (1) wood columns, (2) steel columns, from F. Gallagher, San Francisco, Cal., (1) $40,850, (2) $41,280; A. Motschman, Chicago, Ill., (1) $44,330; W. D. Lovell, 1415 South East 8th St., Minneapolis, Minn., (1) $45,576, (2) $46,400. Noted Aug. 21.

★**Cal., Los Angeles** — Silt Diversion Works—U. S. Engr. Office, 725 Central Bldg., let contract building near Los Angeles and Long Beach Harbors, to United Dredging Co., 325 Central Bldg., $806,750. Noted July 31.

Federal Government (Continued)

★**Hawaii, Honolulu**—Dredging—U. S. Engr. Office, War Dept., Wash., D. C., let contract dredging (1) reserve channel, (2) main basin, to Hawaiian Dredging Co., Ltd. Honolulu, (1) $57,225, (2) $140,790.

★**Hawaii, Pearl Harbor** (Kauhua)—Spec. 4008—Torpedo Rack, Electric Trolley and Hoist and Gyro—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building here, to Wooley & Berton, c/o Pub. Eks. Office, Naval Hospital, Pearl Harbor, $24,771 (150 days). Noted Aug. 28.

Miscellaneous

PROPOSED WORK

Pier and Approach—Brooklyn, N. Y.—M. Hurlburt, comr. docks, Pier A, North River, New York City, rejected bids received Aug. 8, furnishing all labor and materials for building pier and approach north of Barren Island, Jamaica Bay, Contr. No. 1609. Work will be readvertised later. Noted July 31.

Wall—West Albany, N. Y.—G. Ford, Albany, soon receives bids building concrete wall on Schenectady Rd., here. About $10,000. T. L. Gleason, 45 Maiden Lane, Albany, archt.

Pier—Port Covington, Md. (Baltimore P. O.)—Western Maryland Ry., Hillen Sta., Baltimore, plans to rebuild coal pier recently destroyed by fire, rein.-con. and steel. About $750,000. H. A. Lane, 1st Natl. Bank Bldg., Hagerstown, engr.

Flood Control—Wheeling, W. Va.—City retained M. Knowles, engr., Jones Law Bldg., Pittsburgh, Pa., to make study of flood control in connection with Wheeling Creek. Work includes land reclamation, extension of various highways, new park site and site for new town for housing development.

Park—West Palm Beach, Fla.—City having plans prepared improving park at Lake Front. About $35,000.

Portland Cement—Evanston, Ill.—L. F. King, clk. sanitary dist., Karpen Bldg., 910 South Michigan Ave., Chicago, soon lets contract furnishing about 125,000 bbl. Portland cement in sacks or bulk delivered on board barges in North Shore Channel or on board cars on tracks of Chicago & Northwestern R. R. or other contiguous railroads, here, and of Chicago & West Ridge R. R., Chicago and Niles Twp.

Electric and Heating Systems—Sheboygan, Wis.—Vollrath Co., West Michigan Ave., plans to install generating electric power system for private use and rebuild heating system. About $50,000. Cahill-Douglas Co., 128 Grand Ave., Milwaukee, engrs.

Park—Butte, Mont.—City plans to expend $35,000 to improve Thompson Park. C. H. Treacy, city clk.

Playgrounds—St. Louis, Mo.—Bd. Pub. Serv. plans to build playgrounds for Juvenile Court Wards. Work involves clearing grounds, erecting necessary buildings, etc. About $10,000.

Dock—Vancouver, Wash.—Port of Vancouver Comn. have preliminary plans prepared building dock on portion of site used by Standifer Shipbuilding Co. About $100,000. G. R. Percival, mayor.

Park—Wenatchee, Wash.—City voted $15,000 bonds to establish and improve park.

Telephone Cable, etc.—Yakima, Wash.—Pacific Telephone & Telegraph Co. plans to install 12,000 ft. cable, extend areal line 5.42 mi., also build 4600-ft. underground trench. About $62,900. C. E. Jelly, mgr.

Swimming Pool—Portland, Ore.—See "Buildings."

Harbor—Monterey, Cal.—City having plans prepared by F. H. Tibbets, engr., 1320 Alaska Commercial Bldg., San Francisco, for inner harbor. About $300,000.

Ferry Lines—San Francisco, Cal.—Ellis Landing & Dock Co., 717 Market St., applied to Bd. Supervs. Contra Costa Co., for permission to build ferry line between here and Richmond. F. K. Holland, archt., preparing plans for depots and concrete warehouses in connection with same. Company also plans to build ferry boat to cost, $500,000. F. H. Tibbets, 1320 Alaska Commercial Bldg., engr.

Skating Rink—Ft. William, Ont.—C. Burkett purchased site and plans to build 1 story, 160 x 320 ft., steel and brick, concrete foundation. About $90,000. Engineer not selected.

Street Flushers—Windsor, Ont.—City plans to submit bylaw to authorize expenditure of $20,000 to purchase 2 street flushers.

BRIDGE—SCHENECTADY, N. Y.

Bids were received by E. S. Walsh, supt. pub. wks., Capitol, Albany, for constructing abutments and approaches of Schenectady-Scotia Bridge, extending from junction of State St. and Washington Ave., Schenectady, to Schonowee and Mohawk Aves., Scotia Village, from (A) Walsh Constr. Co., Herald Bldg., Syracuse, (awarded contract); (B) American Pipe & Constr. Co., 112 North Broad St., Phila.; (C) Lupfer & Remick, Ellicott Sq., Buffalo. The unit bids were as follows:

	A	B	C
Schenectady Abutment and Approach Cofferdams, pumping, bailing and draining (lump sum)	$600.00	$600.00	$5,000.00
3,080 cu.yd. foundation excavation	.77	.95	2.00
2,600 cu.yd. borrow excavation	.63	1.10	.60
5,450 cu.yd. forming embankment	.15	.20	.20
336 concrete piles furnished and placed	36.00	55.00	40.00
8 concrete piles tested	100.00	100.00	100.00
8.3 M.ft.b.m. sheeting and bracing	50.00	72.00	80.00
78 cu.yd. balustrade concrete	40.00	45.00	60.00
560 cu.yd. first-class concrete	21.00	20.65	25.00
2,610 cu.yd. second-class concrete	13.00	12.55	14.00
88,000 lb. metal reinforcement	.04	.05	.05
84 cu.yd. lining	1.20	1.75	1.75
880 sq.ft. bush hammered surface	.10	.10	.10
15,700 sq.ft. carborundum rubbed surface	.05	.05	.05
6,400 sq.ft. sidewalk finish	.15	.15	.10
230 lin.ft. metal curb bar	.30	.30	.30
4,000 sq.ft. waterproofing membrane	.15	.15	.20
Sub-total	$73,671	$82,232	$90,863
Deduct amount to be paid to State for materials in building removed	100	100	100
Total	$73,571	$82,132	$90,763
Scotia Abutment:			
Cofferdams, pumping, bailing and draining (lump sum)	$600.00	$600.00	$5,000.00
2,670 cu.yd. foundation excavation	.77	.95	2.00
2,600 cu.yd. forming embankment	.63	.20	.20
370 per pile concrete piles furnished and placed	40.00	55.00	40.00
8 per pile concrete piles tested	100.00	100.00	100.00
25 cu.yd. balustrade concrete	40.00	45.00	60.00
1,360 cu.yd. first-class concrete	21.00	20.35	25.00
2,030 cu.yd. second-class concrete	13.00	12.35	13.00
93,000 lb. metal reinforcement	.04	.05	.05
400 cu.yd. first-class rip-rap	3.50	4.00	4.00
900 sq.ft. bush hammered surface	.10	.10	.10
5,400 sq.ft. carborundum rubbed surface	.05	.05	.04
1,000 sq.ft. sidewalk finish	.15	.15	.10
150 lin.ft. metal curb bar	.30	.30	.30
Total	$80,271	$85,467	$95,078
Scotia Approach:			
60,500 cu.yd. borrow excavation	$0.60	$0.875	$0.70
5,500 cu.yd. forming embankment	.10	.20	.20
1,740 sq.yd. second-class stone paving	3.20	3.50	2.50
300 cu.yd. lining	1.20	1.65	1.50
Sub-total	$47,728	$70,523	$58,150
Deduct amount to be paid to State for materials in buildings removed	3,000	2,400	4,000
Total	$44,728	$68,123	$54,150
Extended grand totals	$198,570	$235,722	$239,991

BIDS DESIRED

Station—Brooklyn, N. Y.—Until Sept. 30, by J. H. Delaney, comr. transit constr., 49 Lafayette St., New York City, constructing station finish for part of Culver Rapid Transit R.R. extending over and along Shell Rd. and West 6th St. from near Ave. X to Sheepshead Bay Rd.

Mechanical Draft Equipment—Pittsburgh, Pa.—Until Sept. 29, by J. Swan, dir. dept. pub. wks., furnishing and delivering mechanical draft equipment (fan, engine and appurtenances) at Herron Hill Pumping Sta., N. S. Sprague, city engr.

Granite Paving Blocks—Baltimore, Md.—Until Oct. 1, by Bd. Awards, furnishing to G. F. Weighardt, highways engr., F. O. B. cars, Baltimore, granite paving blocks; advertised in this issue.

Sewerage Screening Press—Baltimore, Md.—Until Oct. 1, by Bd. Awards, furnishing and delivering complete to G. F. Weighardt, highway engr., F. O. B. cars at any freight terminal here, 1 sewerage screening press; advertised in this issue.

Pipe, etc.—Alexandria, La.—Until Oct. 6, by C. N. Adams, mayor and City Council, furnishing 84, 500 ft. 2 in. genuine w. i. pipe, 44, 100 ft. $\frac{3}{16}$ in. class A, c. i. pipe, and 54, 900 ft. $\frac{3}{16}$ in. class B, c. i. pipe, together with valves, crosses, tees, etc. W. H. Sylvester, city engr.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Garbage Incinerator—Syracuse, N. Y.**—Bd. Contr. & Supply let contract building garbage incinerating plant on Hiawatha st., to Caswell Constr. Co., 130 Dickerson St. About $110,000. Noted Sept. 4.

★**Wall—Weehauken, N. J.**—Bd. Freeholders Hudson Co., Jersey City, let contract repairing wall of Hudson Co. Blvd. opposite Hudson Ave., here, to M. Curley, 500 Pavonia Ave., Jersey City, $9.76 per cu.yd. Noted Sept. 11.

Foundation—Detroit, Mich.—City received bids for foundation for Scott Memorial Fountain on Belle Isle, (a) double line of piling, (b) filling with earth and debris between piling, (c) triple line of piling, (d) extra double line piling, (e) single sheet piling, (f) for shorter piles, deduct per ft. of pile, (g) for shorter sheeting, deduct per ft. of sheeting, (h) for longer piles, add per ft. of pile, (i) for longer sheet piling, add per ft. of sheet piling, (j) stone dykes, (1) 1000-30,000 tons, (2) 30,000-40,000 tons, (3) 40,000-50,000 tons, (4) 50,000-60,000 tons, (k) additional rock fill, (l) rock fill after earth, from Chandler Dock & Dredge Co., Penobscot Bldg., (a) $152,000, (c) $41.39 per ft., (d) $50.68, (e) $12.12 per ft., (f) $.31 per ft., (g) $.36, (h) $.51, (i) $.49; A. J. Dupuis, 1022 Ford Bldg., (a) $155,000, (c) $45.20, (d) $52.75, (e) $13.30, (f) $.33, (g) $.38, (h) $.48, (i) $.53; Dunbar-Sullivan Dredging Co., 2211Dime Bank Bldg., (j1) $2.25, (j2) $1.90, (j3) $1.60, (j4) $1.42, (k) $1.90, (l) same as (j); J. D. Kennedy Co., 723 Dime Bank Bldg., (j1 and 2) $3.20, (j3 and 4) $2.20

★**Roof—Grand Forks, N. D.**—City Council let contract repairing roof over clear water basin on 3rd St. and Minnesota Ave., concrete, to J. A. Dinnie Co. 314 International Ave., $14,450 Noted Sept. 4 under "Waterworks."

Tunnel—Quinton, Ore.—State Highway Comn., Portland, received bids Sept. 9, building 552 ft. tunnel on John Day-Blalock Sect., Columbia River Highway, Gilliam Co., from A. Guthrie & Co., Sherlock Bldg., $40,814; O. Huber, Sherlock Bldg., $45,898; Johnson Constr. Co., Lumber Exch. Bldg., $46,964. Contractors all of Portland. Noted July 31.

★**Hydraulic Equipment, etc.—Parry Sound, Ont.**—Municipal Council let contract for hydraulic equipment and turbines in connection with new power plant, to consist of 6500 hp. turbines in 3 units, to Boving Hydraulic Co., Peterborough, $19,270.

OFFICIAL PROPOSALS

Bids: Sept. 29.

Bridge Construction

STATE OF NEW JERSEY

STATE HIGHWAY COMMISSION
TRENTON

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the construction of the following:

Reinforced concrete bridge No. 46, span 10 feet, width 30 feet, located at Station 45 + 83, Route No. 3, Hammondton-Ancora Section, Camden County.

Reinforced concrete bridge No. 172, span 10 feet, width 30 feet, located at Station 121 + 40, Route No. 3, Hammonton-Ancora Section, Camden County.

Reinforced concrete bridge No. 174, span 15 feet, width 30 feet, located at Station 174 + 63, Route No. 3, Ancora-Atco Section, Camden County.

Reinforced concrete bridge No. 46, span 13 feet, width 30 feet, located at Station 415 + 80, Route No. 3, Ancora-Atco Section, Camden County.

Bids for the above will be opened and read in public at the office of the State Highway Commission, Broad Street Bank Bldg., Trenton, N. J., on Monday, September 29, 1919, at 10:30 A.M.

Drawings, specifications and form of bid, contract and bond for the proposed work will be on file in the office of the State Highway Department at Trenton, the office of C. A. Mead, Bridge Engineer, 790 Broad St., Newark, and the office of J. A. Williams, Division Engineer, 503 Market St., Camden, and may be inspected by prospective bidders. Plans and specifications will be furnished on deposit of ten dollars ($10) upon application to the Division Engineer, 503 Market St., Camden. Bids must be made on the standard proposal forms in the manner designated therein and as required by the specifications, same to be inclosed in sealed envelopes, bearing the name and address of bidder and number and location of bridge on the outside, addressed to

STATE HIGHWAY COMMISSION,
Broad Street Bank Bldg.,
Trentor, New Jersey,

and must be accompanied by a certified check for not less than ten per cent (10%) of the amount of the bid, and be delivered at the above place on or before the hour named. Copies of standard proposal form will be furnished on application.

Each bidder must accompany his bid with a certificate from a surety company, duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in, and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

Bids: Oct. 7.

State Highway and Bridge Construction

Anderson, S. C.

Sealed proposals, on blank forms attached to specifications, will be received by the Anderson County Highway Commission, at their office, Anderson, South Carolina, for the construction of improved Highways and Bridges in Anderson County, S. C.

Said proposals will be received until 12 o'clock, October 7th, 1919, at which time they will be opened and read publicly. Said proposals will be considered by the Commission and awards made as soon as practicable thereafter.

Bids will be asked for as follows:

Approximately:
75,000 sq.yd. All Classes Permanent.
60,000 cu.yd. Excavation.
50,000 lin.ft. Concrete Curb.
10,000 lin.ft. Wood Curb.
5,000 lin.ft. Storm Water Drains.
2,000 cu.yd. Concrete Class "A".
5,000 cu.yd. Concrete Class "B".
2,000 cu.yd. Concrete Class "C".

Each bid must be accompanied by a certified check on an approved Bank for 5 per cent of the amount bid, except if such should exceed Ten Thousand ($10,000.00) dollars; then said check may be drawn for said Ten Thousand ($10,000.00) dollars, drawn to the order of the Secretary W. C. Austin.

Plans and specifications may be seen at the office of the Highway Commission, Anderson, S. C. Copies of specifications may be obtained from the above stated office upon application.

The right is reserved by the Board of Highway Commissioners to reject any or all or any portion of bids or accept any bid that may appear to be to the best interest of Anderson County.

$290,000.00 Dollars immediately available of the $1,450,000.00 Bond issue all of which has been approved.

ANDERSON COUNTY HIGHWAY COMMISSION
Anderson County, S. C.
J. MACK KING, Chairman.
W. C. AUSTIN, Secretary.
W. A. SANDERS, Engineer.

Bids: Sept. 30.

State Road Construction

Independence, Mo.

Sealed proposals, addressed to the County Court of Jackson, Missouri, and endorsed "Proposal for constructing (or improving) State Road, Project No. 18," will be received by the County Court until 10 o'clock A.M., on the 30th day of September, 1919, and at that time will be publicly opened and read at the Jackson County Court House in Independence.

The proposed work includes grading, surfacing with bituminous macadam 16 feet in width, constructing earth shoulders, ditches and culverts, together with other work incidental thereto on the State Road in Jackson County known as the Lone Jack East Road from Lone Jack to the Jackson-Johnson County line, a distance of 3.1 miles.

Plans and specifications are on file and may be inspected at the office of the undersigned, or at the offices of the State Highway Department, Jefferson City, Mo.

A set of plans and specifications may be obtained from the undersigned upon deposit of ten dollars ($10), which amount will be refunded if both plans and specifications are returned in good condition within ten days after date of awarding the contract.

Proposals shall be submitted upon blank forms provided for the purpose by the undersigned, and shall be accompanied by a certified check, cash deposit or proposal bond for six thousand six hundred dollars ($6,600).

The right is reserved by the County Court to reject any or all bids.

County Court of Jackson County, Missouri.

By O. C. SHELEY,
County Highway Engineer.
Jackson County Court House,
Independence, Mo.

Bids: Sept. 30.

Paving

Montgomery, Ala.

Sealed proposals in duplicate will be received by the City Treasurer until 11:00 o'clock A.M. Tuesday, September 30th, 1919, at his office in the City Hall for the paving of the roadway of High Street from the East side of Hull Street to the East side of Jackson Street with brick, asphalt, bitulithic, mineral rubber, wood block, concrete, vibrolithic concrete or asphaltic concrete pavement (approximately 9150 square yards).

All of the above mentioned work to be done in accordance with the plans, specifications, profiles and estimates on file at the office of the City Engineer. Address all communications to S. E. Washburn, City Engineer.

A certified check in an amount as set forth in the specifications must accompany each bid.

The City reserves the right to reject any or all bids.

G. W. Barnett,
City Treasurer.

Construction News

NOTE — These items were prepared for the issue appearing in the 2nd week of Nov. bearing the Oct. 9. publication date —

Waterworks

PROPOSED WORK

Mich., Owosso—City having plans prepared for installing 12 in. pipe line around city, also purchase and installation of team pumping unit, 3,000,000-5,000,000 gal. daily capacity, and electric driven air compressor with 1200 cu.ft. per minute capacity. H. Riggs, Engineering Bldg., Ann Arbor, engr.

Mich., Pontiac—City having plans prepared by C. W. Hubbell, engr., 2348 Penobscot Bldg., Detroit, for water filter plant on Walnut St., to treat lake water for additional supply. Sand filter 10,000,000 gal. daily capacity to be designed.

Mich., Saginaw—City plans to trench and lay 16 in. c.i. force mains in Sheridan Ave., Highland and Webber Sts. Work will probably be done by day labor under supervision of R. F. Johnson, comr. About $40,000.

Cal., Sacramento—City having plans prepared by G. J. Calder, construction engr., 616-24 St., building water filtration plant. About $1,500,000. C. G. Hyde, ch. consult. engr. Noted July 17.

Cal., South Tule—South Tule Independent Ditch Co. plans to build dam. About $80,000. G. B. Sturgeon, Newhall Bldg., San Francisco, engr.

Ont., Seaforth—Town having plans prepared by James, Loudon & Hertzberg, engrs., 36 Toronto St., Toronto, for waterworks system, to include 15,000 ft. 6 in. c.i. pipe, pumphouse, centrifugal pumps and steel elevated tanks. About $100,000.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

***Pa., Phila.**—Bd. Water Supply let contract building 4 turbo centrifugal pumps, at Queen Lane Pumping Sta., to Dravo-Doyle Co., Commercial Trust Bldg., $404,600.

Mich., Highland Park—(Detroit P. O.)—City let contract furnishing 4 motor driven centrifugal pumping units and 3 venturi meters, 1 pump 5600 gallons per minute against 20 ft. head, one 3500 gallon per minute against 20 ft. head and two 3500 gallon per minute against 125 ft. head, to C. McIntosh, 422 Dime Bank Bldg., Detroit, $10,000 for pumps, $4000 for meters.

***Kan., Elk City**—City let contract building waterworks system and filteration plant, to Johnson, Morris & Hill, Independence. About $21,500.

***Mont., Butte**—Butte Water Co., 124 North Granite St., let contract furnishing and laying 3674 ft. 26 in. and 22,368 ft. 24 in. steel pipe, to Natl. Tube Co., Frick Bldg., Pittsburg, Pa., $34,680 and $157,694 respectively; 44,216 ft. 26 in. and 72,231 ft. 24 in. continuous wood stave pipe, to Redwood Mfg. Co., Hobart Bldg., San Francisco, Cal., $140,997 and $252,063 respectively.

***Okla., Ada**—City let contract for c.i. pipe in connection with proposed water works system, to Amer. Cast Iron Pipe Co., Birmingham, Ala., $94,000; hydrant, valves and valve boxes, to Darling Valve Mfg. Co., foot Walnut St., Williamsport, Pa., $5[illegible]. Noted Aug. 14.

***Okla., Afton**—City let contract extending waterworks system, to Smith & Whitney, Southwestern Life Bldg., Dallas, Tex. About $20,000.

***Okla., Enid**—City let contract furnishing 100,090 ft. 6-14 in. c.i. pipe and 48,560 lb. castings, to United States Cast Iron Pipe & Fdry Co., Security Bldg., St. Louis, Mo., cost $21,398; furnishing seventy-seven 4-14 in. valves and valve boxes and eight 6 in. fire hydrants, to Ludlow Valve Fdry. Co., 510 R. A. Long Bldg., Kansas City, Mo., $5896; laying pipes, to F. C. Brooks & Sons, Jackson, Mich., $53,076. Noted Sept. 18.

***Okla., Hartshorne**—City let contract improving waterworks system, to N. S. Sherman Machine Co., 18-32 East Main St., Oklahoma, $23,900.

Okla., Okmulgee—City let contract building storage dam, to Tibbets & Pleasant, Tulsa, cost $29,850, laying pipe, to Comstock & Hanson, Tulsa, $31,900, furnishing equipment, to Merkle Mchy. Co., 508 Interstate Bldg., Kansas City, Mo., $48,500. Noted Sept. 4.

Sewers

PROPOSED WORK

Mass., Chicopee — City appropriated $173,000 to build new vitr. pipe sewers in Williamansett Driving Park.

O., Barberton—J. Seiberling, dir. pub. serv., receives bids about December, building North Central Sanitary Sewerage System, involving 18,000 lin.ft. 8-15 in. vitr. tile pipe. R. W. Pratt, Hippodrome Bldg., Cleveland, engr.

O., Kenmore (Marietta P. O.)—L. W. Baughman, serv. dir., receives bids about January, building sewage disposal plant. Plans include sedimentation tanks, basins, etc. About $80,000. R. W. Pratt, Hippodrome Bldg., Cleveland, engr.

Mich., Grosse Point—City having plans prepared for storm sewerage system in Jefferson Ave., and sewer outlet to discharge into lake, involving 1100 ft. 36 in. vitr., rein.-con. or segmental black pipe. About $28,000. M. L. Brown & Son, 823 Chamber of Commerce, Detriot, engrs.

Mich., Midland—City soon lets contract backfilling, trenching and laying vitr. or concrete pipe in Ellsworth St. and Midland Ave. Work also includes furnishing and laying c.i. waterpipe, valves and hydrants. About $30,000.

Mich., Port Huron—City having plans and estimates prepared for sewer in Porter, Howard, Farley and Ballentine Sts. from 12th to 24th Sts., involving 7000 ft. 8-10 in. vitr. crock sewers with brick manholes and special connections. About $24,000. E. R. Whitmore, city engr.

Minn., Elmere—S. R. McQuarie, village recdr., soon lets contract building 8 blocks sanitary and storm sewers. About $12,000.

Minn., Hutchinson—City receives bids about January, building sewers in 40 blocks. About $100,000. J. W. Shaffer & Co., New York Life Bldg., Minneapolis, engrs.

Cal., Oakland—City plans to remove 1385 lin.ft. sewer and build new sewer in Alice St., 6 between 2nd and 7th Sts., involving 1503 lin.ft. 10-30 in. pipe. About $10,000. M. Campbell, city engr.

BIDS DESIRED

N. Y., West Haverstraw—Until Nov. 26, by G. Blagden, pres. bd. mgrs., New York State Hospital for the Care of Cripples & Deformed Children, for sanitary work, water tank and connection, new boiler, etc. and installing laundry equipment at institution, here. L. F. Pilcher, Capitol, Albany, archt.

Mich., Muskegon—Until Nov. 17, by H. H. Tellman, city recdr., furnishing material and constructing main and lateral sewers in Special Sewer Dist. No. 31, involving 22,007 10-24 in. pipe.

Mont., Baker — Until Dec. 2, by G. Haugh, mayor, building sanitary sewerage system. About $50,000. Burns & McDonnell, 400 Interstate Bldg., Kansas City, Mo., engrs.

PRICES AND CONTRACTS AWARDED

(*Indicates Award of Contract).

***N. J., Phillipsburg**—City let contract constructing and installing sewage disposal plant, to Municipal Disposal Co., Phila., $137,980. Plans include 2,000,000 gal. plant, 1 and 2 story building, 19 x 40 x 44 ft. electrolizer room, 15 x 22 x 24 ft. screen and grit chamber room, 15 x 30 x 45 ft. lime room, etc.

***Ga., Cartersville**—City will build sanitary sewerage system, involving 16 mi. 8-15 in. pipe, appurtenances, etc. Work will be done by day labor. Noted Aug. 7.

***O., Columbus**—G. A. Borden, dir. Dept. Pub. Serv., let contract building 12th Ave. relief sewer, involving 3970 ft. 24-42 in. sewer, 250 ft. catch basin drains, 1925 sq.yd. brick and 1700 sq.yd. asphalt pavement repairs and 13 manholes to I. O. Jones, 707 Grove St., $35,063. Noted Oct. 16.

***O., East Cleveland** (Cleveland P. O.)—City let contract building sewers in Belmar, Glenmont and Superior Rds., involving 4490 ft. 8-24 in. vitr. pipe, 36 manholes and 24 catch basins, to P. Ciraci, Brownhill Rd., Cleveland, $21,463.

***O., Rocky River**—Village let contract building sewers in various streets, involving 24,400 ft. 8-24 in. vitr. pipe, 6600 cu. yd. earth and 1800 cu.yd. shale excav., 53 brick manholes, to Gantore Constr. Co., Columbia Bldg., Cleveland. About $65,000.

***O., Vermillion**—City let contract building sewerage system, to T. Tripoletti, cost $48,000; sewage disposal plant, to Amer. Constr. Co., Marion Bldg., $25,000. Work involves 8 x 8 ft. screen building, 10 x 10 ft. disinfecting building, 32,500 lb. rein.-con. pipe, 32,450 ft. 6-12 in. vitr. pipe, 445 ft. 4-9 in. drain, 1350 cu.yd. earth trenching, 100 brick and iron manholes and 450 cu.yd. concrete.

***O., West Park**—S. H. Kleinman Realty Co., Garfield Bldg., Cleveland, let contract building sewers and water mains in Vassar Park Allotment, involving 4236 ft. 12-24 in. vitr. and 3768 ft. 4-8 in. c.i. pipe, 8 brick manholes and 24 catch basins, to A. J. Galvin, Columbia Bldg., Cleveland, $24,302; Industrial Allotment, involving 2760 ft. 12-24 in. vitr. and 2760 ft. c.i. water mains, 9 brick manholes and 8 catch basins, to Amato Constr. Co., Baldwin Rd., $27,732.

***Mich., Detroit**—City let contract furnishing labor and material for building and finishing complete, 8175 ft. lateral Sewer No. 3187 in blocks bounded by Log Cabin, Fenkel and Puritan Aves., and Highland Park Line, involving 1842 ft. 30-33 in. brick cylinder and 6333 ft. 12-24 in. crock sewer, to G. B. Hoag Constr. Co., Commercial Bank Bldg., Cleveland, O., $46,213; 9601 ft. lateral Sewer No. 3171, Connors, Drexel, and Mack Aves. and old city line, 9601 ft. 10-12 in. vitr. pipe, to Lennane & McIlvenna, Book Bldg., $17,500.

***Mich., Detroit**—Dept. Pub. Wks. let contract furnishing labor and material building Lateral Sewer No. 3114 in block bounded by Erwin, Rohns, Bessemore and Georgia Aves., and No. 3173 in block bounded by 12th, Hamilton Bvld., Burlingame and Webb Aves., to J. M. Affeld, 1208 Ford Bldg., $3279 and $21,648 respectively; Bates St. Sewer, sect. 1, dock section, to G. R. Cooke, Penobscot Bldg., $89,959.

***Mich., Grosse Point**—City let contract furnishing labor and material, trenching and laying 6000 ft. 8-22 in. vitr. pipe, Rivard Blvd., to G. R. Cooke, Penobscot Bldg., Detroit. About $19,000.

***Mich., Grosse Point**—City let contract furnishing labor and material for building, finishing and backfilling storm sewerage system in St. Clair Ave., involving 5000 ft. 8-20 in. vitr. pipe, to G. R. Cooke, Penobscot Bldg., Detroit. About $12,000.

***Mich., Grosse Point Farms** (Grosse Point P. O.)—Village let contract furnishing and laying 8435 lin.ft. 10-36 in. vitr. clay sewers, to Walker-Teetaert Co., 919 Majestic Bldg., Detroit. About $50,000, cost plus 15 per cent.

***Minn., Adrian** — Village Council let contract building sanitary sewerage system, involving 23,000 ft. vitr. pipe, septic tank, sludge bed and accessories, to Kircher Bros., Olivia., $45,750. Noted Oct. 23.

***Minn., Duluth**—City let contract building storm sewers in East Superior St. from 25th Ave. east to Duluth Co. Club property, involving 3410 ft. 12-36 in. pipe, 410 ft. culvert, 3000 cu.yd. earth and 250 cu.yd. rock trenching, to J. Hedberg, 313 21st Ave. W., $23,113.

***Kan., Enterprise**—City let contract building sanitary sewers in various

Sewers (Continued)

streets, to C. H. Everett, Hutchinson, $32,449.

***Mont., Billings**—City let contract building 32,090 ft. 8 in. sanitary sewers in Yellowstone and Suburban Homes Additions, to E. Lindstrom, Billings, $72,144. Noted Sept. 18.

Tex., Van Alstyne—City let contract installing 20,000 ft. 6 in. sewer pipe and building sewage disposal plant, to Janes Contg. Co., Ranger. About $32,000.

Cal., Long Beach—City let contract building sewers in Hill St., et al, Sewer Dist. No. 8, to P. S. Tomich, 553 Pacific Ave., $47,500. Work involves 31,292 ft. 8-10 in. vitr. pipe, 323 ft. 6 in. c.i. siphon, 80 manholes and 48 flushtanks.

***Que., Shawinigan Falls**—City Council let contract building main collecting sewer, to E. Bourassa, 95 Notre Dame St., Three Rivers. About $32,000.

***Ont., Owen Sound**—City let contract supplying and laying 12,000 ft. 8-15 in. vitr. sanitary sewers in various steeets, to J. Cross Owen Sound. About $20,000.

Bridges

PROPOSED WORK

New Jersey—State Highway Comn., Trenton, plans to build steel bridge to connect Perth Amboy and South Amboy. About $1,500,000. A. Thompson, Broad St. Bank Bldg., Trenton, engr.

Mich., Detroit—City, Wayne Co. and Detroit United Ry. plan to build steel bascule bridge over river Rouge, on Fort St., to carry traffic including electric railway cars. About $800,000. C. F. Hubbell, city engr.

Cal., Newport Beach—Pacafic Electric Ry. and Southern Pacific Ry., Pacific Electric Bldg., Los Angeles, arranged with Orange Co. to build bridge over new channel to be dredged for Santa Anna River, to have three 60 ft. steel spans, rein.-con. piers and pile trestle approaches. County will pay $20,000 toward cost.

BIDS DESIRED

Conn., New Haven—Until Nov. 17, by city, building steel girder bridge encased, over Quinnipac River, on Middletown Ave., to have two 55 ft. spans and one 43 ft. span, 22 ft. roadway, 10 ft. sidewalk, rein.-con. slab floor, abutments, retaining walls and piers. F. L. Ford, city engr.

W. Va., St. Marys—Until Nov. 29 by Clerk Pleasants Co. building steel girder bridge with concrete floor and abutments, on Bens Run. Cost to be borne by Pleasants and Tyler Counties.

N. C. Beaufort—Until Jan. 5, by Bd. Comrs. Carteret Co., building North River Bridge 2190 ft. long, Smyrna Creek Bridge, 850 ft. long, and Howland's Creek Bridge 12 ft. long. C. S. Wallace, chn. L. Hooper, Beaufort, engr.

Michigan—Until Nov. 15, by F. F. Rogers, state highway comr., Lansing, building bridges Nos. 40, 41 and 42, forty-five ft. rein.-con. spans with plain concrete piers, 7 mi. south of Saginaw, involving 1300 cu.yd. concrete; Trunk Line Bridge No. 4, 120 ft. long, 20 ft. wide, 5 mi. west of St. Charles, involving 340 cu.yd. concrete and 57 1-2 tons steel. C. V. Dewart, Lansing, engr.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

***Pa., Conshohocken**—Comrs. Montgomery Co., (Norristown) let contract building bridge over Schuylkill River, between here and West Conshohocken and bridge over Schuylkill Canal, to Seeds & Derham, 6320 Wissahickon Ave., Phila., $638,500 and $58,575 respectively. Noted Aug. 28 and Sept. 18.

***Pa., Harrisburg**—Bd. Pub. Grounds & Bldgs. let contract constructing bridge over Wapaseening Creek, to Whitaker & Diehl, Union Trust Bldg., $37,351. Noted Sept. 11.

***Pa., Harrisburg**—Bd. Pub. Grounds & Bldgs. let contract constructing Soldiers and Sailors Memorial Bridge along Capitol Park Extension and State St., about 1-2 mi. long, granite, to Central Constr. Co., Commonwealth Trust Bldg., $3,393,868. Noted Aug. 14.

***Pa., Millersburg**—Comrs. Dauphin Co., (Harrisburg), let contract building concrete arch bridge over Wiconisco Creek, about 1 1-2 mi. below here, to Whitaker & Diehl, Union Trust Bldg., Harrisburg, $12,950.

***Pa., Shickshinny**—Comrs. Luzerne Co., (Wilkesbarre) let contract building rein.-con. highway bridge, 30 ft. wide, 1517 ft. long, over Susquehanna River, here, to Walsh Constr. Co., Herald Bldg., Syracuse, N. Y. $409,380. Noted Aug. 7.

***Ga., Dublin**—Comrs. Laurens Co. let contracts building steel and concrete bridge over Oconee River at foot of Jackson St., Project No. 39, Contr. No. 1, to Hodgson & Jones, Montgomery, Ala., $86,251. Work involves 1608.5 cu.yd. Class "A" and 1006.0 cu.yd. Class "B" concrete (including excav.) 330,605 lb. steel reinforcing, 2953 sq.yd. vitr. brick paving, electrical work and taking down and stacking present approaches; Contr. No. 2, to Southern Bridge Co., 39th St., Birmingham, Ala., at $82,552, involving 876 cu.yd. Class "B" concrete (including wet and dry excav.) 26,723 lb. steel reinforcing, 1 swing span complete, including rails, wood block paving, side walk planking, etc. Noted Sept. 4.

***O., Columbus**—Comrs. Franklin Co. let contract building approaches for Platter Bridge, 24 feet wide, over Big Walnut Creek, on Lockbourne Rd., Hamilton Twp., to Grant-Boulton Co., Columbus, $23,548. Work involves 6328 sq.yd. bituminous concrete, 7000 cu.yd. excav., 5540 sq.yd. water-bound macadam and 6134 lin.ft. penetration macadam berme. Noted Aug. 28.

***Minn., Duluth**—St. Louis Co. let contract building 8 concrete bridges, north of Chisholm, to Minneapolis Bridge Co., Metropolitan Lite Bldg., Minneapolis, $91,012.

***Kan., McPherson**—D. D. No. 2, McPherson Co., will build bridges and culverts in connection with drainage system. About $25,000. Work will be done by day labor.

***Idaho, Homedale**—State Bridge Dept., Boise, let contract building steel bridge across Snake River, here, to have four 162 1-2 ft. spans on concrete piers, 18 ft. roadway, paved with bituminous material, to U. S. Bridge Co., Great Falls, Mont., $89,994.

***Idaho, Twin Falls**—City let contract building steel bridge over Rock Creek Canyon on Shoshone St., to C. H. Lull, Twin Falls, $46,850. Noted Aug. 7.

***Cal., Hanford**—Bd. Supervs. King Co. let contract building 500 ft., rein.-con. bridge over Kings River south of Kingsburg, to Cotton-McCauley Co., 16 California St., San Francisco, $31,512. Noted Sept. 18.

***Cal., San Jose**—Comrs. Santa Clara Co. let contract building 3 span rein.-con. bridge, 130 ft. long, 20 ft. wide, on Edmundson Ave., involving 343 cu.yd. rein.-con., to J. H. Miller, 101 South 16th St., $9885.

Streets and Roads

PROPOSED WORK

N. J., Jersey City—City soon receives bids repaving Fleet St., Holmes and Hopkins Aves., Belgian block on concrete foundation. About $30,000. C. A. Van Kuren, city engr.

South Carolina—State Highway Dept., Columbia, receives bids about Nov. 20, building 14.6 mi. road from Clemson to Russell, 28 ft. wide, Oconee Co., cost $70,000; 4 mi. Washington-Augusta Highway, 28 ft. wide, gravel and sand clay, Aiken Co., $60,000.

Wisc., South Milwaukee (Milwaukee P. O.)—City receives bids in spring, paving Lawton Ave. and other streets, 30 ft. wide, concrete. About $60,000. H. E. Reinertsen, 683 1-2 Greenfield Ave., Milwaukee, engr.

Minn., Hopkins — City receives bids about January, for 30,000 sq.yd. paving, 18 ft. wide. Bids will be received on all types of pavement. About $150,000. J. W. Shaffer & Co., New York Life Bldg., Minneapolis, engrs.

Minn., Hutchinson—City receives bids about January, for 50,000 sq.yd. paving, 18 ft. wide. Bids will be received on all types of pavement. About $200,000. J. W. Shaffer & Co., New York Life Bldg., Minneapolis, engrs.

Minn., Slayton—City receives bids about January, paving 15 blocks, 18 ft. wide. Bids will be received on all types of pavement. About $150,000. J. W. Shaffer & Co., New York Life Bldg., Minneapolis, engrs.

Kan., Kansas City—City soon receives bids grading 37th and 38th Sts., from Metropolitan to Strong Aves., 16th St. from Douglas St. to south city limits and Lawrence St. from 14th to 17th St., grading, curbing and paving Graystone Ave. from Shawnee Rd. to state line, concrete; resurfacing Central Ave. from Park to 18th Sts., rock asphalt. W. Barclay, city engr.

Neb., Wayne—City soon receives bids for 75,000 sq.yd. brick pavement. About $150,000. Rohrbough Eng. Co., 929 City Natl. Bank Bldg., Omaha, engrs.

Mo., Neosho—Newton Co. having preliminary plans prepared building 40 mi. hard surfaced roads from Seneca to county line, 18 ft. wide. A. C. Moore, Joplin, engr.

Mo., St. Joseph—City had plans prepared paving 3 blocks Lovers Lane and 4 blocks 28th St., 25 ft. wide, asphaltic concrete. Cost $25,000 and $30,000 respectively. W. K. Seitz, St. Joseph, engr.

Tex., Livingston—Polk Co. having plans prepared gravel surfacing and building rein.-con. bridges and culverts on 36.6 mi. Highway No. 35 from Trinity River to Neches River, 16 ft. wide. About $610,000. A. P. Rollins, Livingston, engr.

Colorado—State Highway Comn., Denver, receives bids about Nov. 17, building 1-4 mi. Federal Aid Project No. 27, 18 ft. wide. Work involves 550 cu.yd. earth excav., 2800 sq.yd. concrete, 90 lin.ft. 15 in. and 50 lin.ft. 24 in. corrugated metal culverts, 225 cu.yd. gravel for sub-grade, etc. About $12,000. J. E. Maloney, state highway engr.

Ore., Coquille—Coos Co. Rds. Advisory Bd. plans election to vote on $1,500,000 bonds to build and improve roads. A. T. Morrison, chn.

Ore., Heppner—Morrow Co. will sell $125,000 bonds Nov. 12, to build 1st unit of Oregon-Washington Highway through county. Work includes grading and graveling.

Ore., Salem—North Salem Impvt. Assn. having tentative plans prepared for paving 4th St., 20 ft. wide, Hazel St. from Highland Ave. to Locust St., 20 ft. wide, Front St. between city and Marion Co. pavements, remainder of Hickory St., 20 ft. wide, extend Capitol St. to Fair Grounds Rd., Cherry St. Ave. through to Winter St., to include grade, level and drain, also gravel Hickory St. between Pacific Highway and River Rd., 18 ft. wide, concrete Nos. 1 and 2, asphaltic concrete or bitulithic. Cost will exceed $50,000. E. S. Tillinghast, pres.

BIDS DESIRED

Maine—Until Nov. 19, by State Highway Comn., Augusta, grading, draining and gravel surfacing 7.05 mi. river road, 16 ft. wide, with 2 1-2 ft. shoulders, Enfield Twp. P. D. Sargent, ch. engr.

Rhode Island—Until Nov. 19, by State Bd. Pub. Rds., Providence, improving 5080 ft. New London Turnpike, West Warwick and Cranston Twps., involving 3200 cu.yd. earth excav., 800 cu.yd. gravel foundations, 4700 tons crushed stone, hauling, heating and applying 28,000 gal. asphalt, (penetration method). A. L. Atwood, comr.

N. Y., Brooklyn—Until Nov. 19, by E. Riegelmann, boro. pres., regulating and repaving roadway of Atlantic Ave. from 5th to Washington Ave., permanent asphalt and grade 1 granite pavements on 6 in. concrete foundation; regulating and paving roadway of 35th St. from Neptune to Mermaid Aves., permanent asphalt on 6 in. concrete foundation, regulating, grading, curbing and laying sidewalks on 90th St. from 5th to Gelston Aves.

Fla., Sanford—Until Nov. 28, by Comrs. Seminole Co. grading, paving and building bridges and culverts on Roadways Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 and 13; alternate bids will be received on brick, concrete, asphalt, bituminous, surface treated or waterbound macadam and shell. Noted Sept. 25.

Michigan—Until Dec. 2 by State Highway Comn., Lansing, grading and draining 48.506 mi. State Trunk Line Road No. 35-5, Marquette Co., involving 231 acres clearing, 34,385 sq.yd. grubbing, 474,327 cu.yd. earth excav., 88,742 cu.yd. rock excav., 21,778 ditch excav., 2035 cu.-

Streets and Roads (Continued)

yd. concrete in culverts, 63,231 lb. steel and 12,912 lin.ft. corrugated culverts.

Minn., Crookston—Until Nov. 24, by Comrs. Polk Co., building 1 1-2 mi. Federal Aid Project No. 112, Job No. 1913, involving 14,316 sq.yd. concrete paving and 14,320 lin. ft. drain tile. E. H. Harding, Crookston, engr.

Minn., St., Paul—Ramsey Co. receiving bids grading and graveling 2 mi. Sibley Memorial Highway, from Mendota to St. Paul, 24 ft. wide. About $10,000.

Kan., Emporia—Until Nov. 26, by G. L. Miller, clk. Lyon Co. building and paving 23,700 ft. Sect. "B", Federal Aid Project No. 30, 18 ft. wide, 1 or 2 course concrete, monolithic brick or bituminous filled brick. Work involves 47,400 sq.yd. paving 16,406 cu.yd. earth excav., 639 cu.yd. concrete in culverts and bridges and 25,833 lb. reinforcing steel.

Mo., New Madrid—Until Nov. 17, by New Madrid Co. Court, grading, clearing, ditching, rock surfacing and laying tile and metal pipe culverts on 12.05 mi. Morehouse-Lilbourn Rd., Sect. No. 2. C. V. Hansen, highway engr.

Tex., Tyler—Until Dec. 1, by Highway Comn. Smith Co., surfacing 7 3-4 mi. road, concrete and gravel. D. K. Caldwell, co. highway engr.

New Mexico—Until Nov. 25, by State Highway Comn., Capitol Bldg., Sante Fe, building 1.71 mi. Tijeras Canyon Cooperative Forest Aid Project, State Rd. 46, Sect. 1, Bernalillo Co. Work involves 3928 cu.yd. excav., 2741 cu. yd. borrow, 276 lin. ft. 18-36 in. corrugated metal culvert and 24.38 cu.yd. cement rubble masonry. L. A. Gillett, state highway engr.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

***Mass., West Roxbury** (Boston P. O.)—Bd. Pub. Wks. let contract grading Centre St., to A. Cefalo, 316 Belgrade Ave., Roslindale. About $10,000.

***N. Y., Brooklyn**—E. Riegelmann, boro. pres. let contract regulating and repaving Crown and 82nd Sts., to Uvalde Asphalt Paving Co., 1 Bway., New York City, $15,074 and $12,209 respectively; Atlantic Ave., to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $43,-990; paving, curbing and laying sidewalks on Bay St., to Samloh Contg. Co., 126 Prospect Park West, $15,312; laying cement sidewalks on Autumn Ave., Union and President Sts. to Grimm Constr. Co., 170 McKinley Ave., $570.

***N. J., Bayonne**—City let contract improving 39th St. between Hudson Blvd. and Bway. Ave., to C. T. Kavanagh, Inc., 32nd St., Bayonne, $23,323.

***N. J., Newark**—Bd. Supervs. Essex Co. let contract paving Grove St. and Lyons Ave., bitulithic and concrete, to Northern Constr. Co., 665 Broad St., $26,-664 and $81,732 respectively.

***N. J., Trenton**—Bd. Freeholders Mercer Co. let contract paving East State St. or Nottingham Way, involving 8211 sq.-yd. asphalt and 1078 yd. brick, to J. J. Barrett, 147 Lafayette Ave., $47,502. Noted Sept. 25.

***Pennsylvania**—State Highway Dept., Harrisburg; let contracts building 109,-318 ft. Route 9, Lackawanna Trail, in Upper Pittston Twp., Lackawanna Co., macadam on concrete base, to R. Hand Constr. Co., Main St., Wilkesbarre, $410,327; 71,903 ft. Route 150, Luzerne Co., macadam on concrete base, to Rees & O'Brien, Wyoming Ave., Scranton, $460,000.

***Pennsylvania**—State Highway Dept., Harrisburg, let contract building 6191 ft. rein.-con. and vitr. brick road in Forest City, Susquehanna Co., to Holt Lumber Co., Belmont St., Carbondale, $59,463. Noted Sept. 11.

***Pa., Beaver Falls**—Town Council let contract paving 6th Ave., from 8th to 22nd Sts., to S. Gamble Co., Carnegie. About $70,000. Noted Sept. 4.

***Pa., Dormont** (Pittsburgh P. O.)—Boro. let contract grading, paving and curbing Philadelphia Ave. from Potomac to Ordinance Aves., involving 2600 sq.yd. vitr. brick on 5 in. concrete base, 3200 lin.ft. 18 in. concrete curbing and guttering, and 1800 cu.yd. earth excav., to Pittsburgh Paving Co., Bakewell Bldg., $21,054; Potomac Ave. from Dwight to Crosby Aves., 1650 sq.yd. vitr. brick on 5 in. concrete base, 1100 lin.ft. 24 in. concrete curbing and guttering and 1400 cu.yd. earth excav., to J. P. Garey, Oakmont, $10,871.

***Pa., Pittsburgh**—City let contract grading, paving and curbing (a) Shaler St. from McKnight to Well Sts., involving 4450 sq.yd. stone block on 5 in. concrete base, 3570 lin.ft. concrete curbing and 7194 cu.yd. excav., (b) Alexis St. from Saline St. to unnamed 10 ft. way, 2100 sq.yd. one block on 5 in. concrete base, 1650 lin.ft. concrete curbing, 5046 cu.yd. embankment and 513 cu.yd. excav.; regrading, repaving and recurbing, (c) 5th Ave., (d) roadway of Shady Ave. at second angle southwardly from 5th Ave., to T. Cronin, South 17th and Muriel Sts., (a) $36,306, (b) $17,747, (c) $640, (d) $381; A. R. Van Horn, 706 Taylor Ave

***North Carolina**—Div. Office State Highway Comn., Greensboro, let contract grading and gravel surfacing roads in Person Co., to Person Co. Comrs., Roxboro, $47,000; hard surfacing 4 1-2 mi. Greensboro-Gibsonville Rd., Guilford Co., to Guilford Co. Comrs., Greensboro, $151,000. Contract for latter sublet by Co. Comrs. to R. G. Lassiter, Oxford. Noted Sept. 18.

***Ga., Griffin**—Comrs. Spalding Co. let contract building 42,240 sq.yd. road, 6 1-2 in. concrete, to McDougald Constr. Co., Healy Bldg., Atlanta, $111,514. Noted Aug. 28.

***Ga., Monroe**—Comrs. Rds. & Revenues Walton Co., let contract building 8.2 mi. top soil road from here to Jersey, to Stanley & Singer, Lafayette, Ala. About $46,000. Noted Sept. 25.

***La., Alexandria**—City let contract paving 4th St. from Lee to Casson Sts., vitr. brick, to J. F. Valleant & Co., Alexandria, $16,547. Noted Aug. 21.

***O., Bedford**—City let contract improving Ellenwood and Tarbell Aves., involving 1862 ft. 6 in. water mains, 370 ft. 10 in. vitr. tile sewer, 3 brick manholes, 9360 sq.ft. sand stone sidewalk and 1000 cu.yd. earth excav., to J. E. Horr, Bedford, $11,348.

***O., Chardon**—Geauga Co. let contract resurfacing 1.52 mi. Sect. "D" Cleveland Meadville Rd., 16 ft. wide, concrete, to Studebaker & Sons Co., Greenville, $36,-692.

***O., Columbus**—G. A. Borden, dir. Dept. Pub. Serv., let contract grading, draining, curbing, laying water mains and paving 618 ft. 11th Ave, from Cleveland to St. Clair Aves., 24 ft. wide, involving 1570 sq.yd. asphalt and 600 sq.yd. brick gutters, to A. G. Pugh, Columbus, $10,-050. Noted Oct. 16.

***Michigan**—State Highway Comn., Lansing, let contract to J. W. Ederer & Co., Saginaw, improving 1.764 mi. State Trunk Line Rd. No. 47-6, Saginaw Co., involving 16,562 sq.yd. waterbound macadam and 5528 cu.yd. earth excav., $26,744; McDermott & Cooper, 324 Weddicomb Bldg., Grand Rapids, 3.072 mi. State Trunk Line Rd. No. 17-3, 16 ft. wide, Kalamazoo Co., 5874 cu. yd. concrete and 10,280 cu.yd. earth excav., $82,-277; H. C. Crane, Midland, 7.532 mi. State Trunk Line Rd. No. 18-8, 16 ft. wide, Arenac Co., 76,699 sq.yd. gravel, 25,197 cu.yd. excav., 6372 lbs. reinforcing steel and 1274 ft. 12 in. encased tile, $96,628; Bd. Ionia Co. Rd. Comrs., Ionia, 2.458 mi. State Trunk Line Rd. No. 44-1, 16 ft. wide, Ionia Co., 23,077 sq.yd. gravel and 7997 cu.yd. excav., $27,854; Bd. Menominee Co. Rd. Comrs., Menominee, 5.497 mi. State Trunk Line Rd. No. 15-1C, 16 ft. wide, 30,930 sq.yd. stone-gravel and 8211 cu.yd. excav., $57,785; J. E. McNicholas, Marenisco, 3.627 mi. State Trunk Line Rd. No. 28-4, 14 ft. wide, 29,788 sq.yd. gravel, Ontonagon Co., $29,476. Noted Sept. 4 and 18.

***Michigan**—State Highway Dept., Lansing, let contract grading, draining, and surfacing 2.538 mi. State Trunk Line Rd. No. 46-1, 16 ft. wide, Montcalm Co., involving 11,380 cu.yd. earth excav. and 23,828 sq.yd. gravel surface, to Bd. Montcalm Co. Rd. Comrs., Edmore, $32,038; 2.829 mi. State Trunk Line Rd. 47-7, 24 ft. wide, Saginaw Co., 18,747 cu.yd. earth excav. and 39 829 sq.yd. bituminous concrete, to Globe Constr. Co., Flint, $115,-701; 7.459 mi. State Trunk Line Rd. 22-2, Leelanau Co., 28,774 cu.yd. earth excav. and 70,019 sq.yd. gravel surface, to Bd. Leelanau Co. Rd. Comrs., Cedar, $72,-859; 4.465 mi. State Trunk Line Rd. No. 19-3, 16 ft. wide, Sanilac Co., 9377 cu.yd. earth excav., 41,908 sq.yd. gravel surface and 293 cu. yd. concrete, to W. Blard and A. J. Hodges, Snover, $58,-000; .69 mi. State Trunk Line Rd. No. 20-9 B, 20 ft. wide, Reed City, 4000 cu.yd. earth excav. and 1565 cu.yd. concrete, to J. W Patterson, Reed City, $20,552. Noted Sept. 11.

***Michigan**—State Highway Dept., Lansing, let contract improving 4.456 mi. State Trunk Line Rd. No. 17-4, 24 ft. wide, Van Buren Co., involving 17,525 cu.yd. excav., 1920 ft. hardsurfacing and 122 cu. yd. concrete, to M. F. Shupp, Kalamazoo, $18,048; 3.759 mi. State Trunk Line Rd. No. 17-2 B, Jackson Co., 24,064 cu.yd. excav., 207 cu.yd. concrete and 1920 ft. hard surfacing, H. E. Wilkinson, Homer, $22,892; .723 mi. State Trunk Line Rd. No. 14-9, 20 ft. wide, Ingham Co., 1645 cu.yd. excav. and 8486 sq.yd. bituminous concrete, to Butter Constr. Co., Lansing, $26,714; 5.152 mi. State Trunk Line Rd. No. 25-1 A, 16 ft. wide, Chippewa Co., 29,255 cu.yd. excav., 47,702 sq.yd. waterbound macadam and 333 cu.yd. concrete, to J. Cottle, Rudyard, $105,035; .924 mi. State Trunk Line Rd. No. 32-2, 16 ft. wide, Otsego Co., 5271 cu.yd. excav. and 8672 sq.yd. gravel surface, Bd. Rd. Comrs. Otsego Co., Gaylord, $11,327; 4.911 mi. State Trunk Line Rd. No. 13-3, 16 ft. wide, St. Joseph Co., 19,160 cu.yd. excav. and 9604 cu.yd. concrete, to H. A. Hoxie, 1426 4th St., Grand Rapids, $129,415; .511 mi. State Trunk Line Rd. No. 11-1, 16 ft. wide, Van Buren Co., 1022 cu.yd. excav. and 1249 cu.yd. concrete, Marswan & Green, 47 Union Ave., N. E., Grand Rapids, $15,323; 2.027 mi. State Trunk Line Rd. No. 17-1, Jackson Co., 11,892 cu.yd. excav., 113 cu.yd. concrete and 1920 sq.yd. hard surfacing, Johnson & Co., 421 Fountain St., Ann Arbor, $11,330; 3.96 mi. State Trunk Line Rd. No. 21-8, 16 ft. wide, Clinton Co., 7462 cu.yd. excav. and 37,169 sq.yd. gravel surfacing, Dean & McCreary, St. Johns, $44,901; 2.967 mi. State Trunk Line Rd. No. 21-9, 16 ft. wide, Clinton Co., 7123 cu.yd. excav. and 27,841 sq.yd. gravel surfacing, Clinton Co. Rd. Comrs., St. Johns, $36,367; 2.115 mi. Asst. Project No. 359, 16 ft. wide, Berrien and Cass Counties, 5302 cu.yd. excav. and 4652 cu.yd. concrete, J. E. Nelson & Sons, 118 North La Salle St., Chicago, $60,520.

***Mich., Detroit**—Dept. Pub. Wks. let contract to Detroit Asphalt Paving Co., 20 McGraw Bldg., paving Newberry Ave., $15,717; Harper Ave., $73,391; Lennane & McIlvenna, Book Bldg., Alley No. 1081, $2571, No. 1083, $3713, No. 1086, $2911, No. 1082, $2518, No. 1085, $2293; Otis Cement Constr. Co., 806 Hammond Bldg., No. 1084, $3974, No. 1092, $5779, No. 1094, $3397, No. 1088, $1743, No. 1093, $3509, No. 1098, $4848; T. E. Currie, 20 McGraw Bldg., No. 1078 $5553, No. 1097, $5681; E. Meredith Co., 145 Harper Ave., No. 1079, $2424, No. 1088, $1743; R. J. Powelson, 1577 Iriquois Ave., No. 1080, $4496, No. 1091, $2045, No. 1087, $3009, No. 1090, $5115, No. 1096, $8007. Noted Sept. 25.

***Mich., Detroit**—City let contract to Detroit Asphalt Paving Co., 20 McGraw Bldg., paving Fenkell Ave., cost, $90,152, Colfax Ave., $20,820, Florida Ave., $54,-808, Northfield Ave., $40,596, Olivet Ave., $4082, Schroeder Ave., $16,982, Silvan St., $5577; Cleveland Trinidad Paving Co., 2940 Woodward Ave., Fullerton Ave., $36,032, Clements Ave., $16,437; W. B. Brady Constr. Co., 1972 Grand River Ave., Otsego Ave., $13,605, Pingree Ave., $37,-265, Wilson Ave., $5380, Blaine Ave., $39,-421, Martindale Ave., $33,768; R. J. Powelson Co., 1577 Iriquois Ave., Alley No. 1068, $4063, No. 1071, $5400, No. 1075, $4123, No. 1076, $1499; Otis Cement Constr. Co., 806 Hammond Bldg., No. 1069, $5968, No. 1077, $5769; T. E. Currie, 20 McGraw Bldg., paving Garland Ave. 1072, $2131, No. 1074, $4492; E. Meredith & Co., 145 Harper Ave., No. 1073, $2006. Noted July 3 and 24, Aug. 14 and 28 and Sept. 25.

***Mich., Detroit**—Dept. Pub. Wks. let contract to Detroit Asphalt Paving Co., 20 McGraw Bldg., paving Garland Ave. from north line Shoemaker to south line Harper Aves., 26 ft. wide, asphaltic concrete on 6 in. concrete base, Amherst curbstone, $26,402; Lennane & McIlvenna, Book Bldg., Alley No. 1099, $5176, No. 1103 $2810; Otis Cement Constr. Co., 806 Hammond Bldg., No. 1100, $3456, No. 1107, $3949; Talbot Co., 400 Penobscot Bldg., No. 1101, $2846, No. 1104, $2388, No. 1108, $2881, No. 1102, $1906; T. E. Currie, 20 McGraw Bldg., No. 1105, $4093;

Streets and Roads (Continued)

R. J. Powelson Co., 1577 Iriquois Ave., No. 1106, $5094.

*Wis., Milwaukee—Milwaukee Co. let contract surfacing Burleigh St. No. 3, to Stein Constr. Co., 204 Grand Ave., involving 1800 cu.yd. excav., $1. per cu.yd., 4300 sq.yd. concrete surfacing, $2.19 and 20 cu.yd. concrete culverts, $26., total, $11,737; Wauwatosa Ave. No. 1, Wauwatosa Twp., 5000 cu.yd. excav., $1.05, 20,500 sq.yd. concrete surfacing, $1.83, 17 cu.yd. concrete culverts, $20 and 53 cu.yd. concrete bridges, $24., $44,377.

*Mich., Grand Rapids—Comrs. Kent Co. let contract grading and surfacing 2.67 mi. Rd. No. 19, Godfrey Ave., 16 ft. wide, 1 course concrete, to Golden & Boter, 25-27 Market Ave., $51,241.

*Kan., Kansas City—Wyndotte Co. let contract paving 1 mi. Federal aid highway, 18 ft. wide, concrete to Dawson Constr. Co., Ry. Exch. Bldg., Kansas City, Mo., $33,553. County will furnish cement.

*Kan., Lyons—Comrs. Rice Co. let contract to M. R. Ammerman, Salina, for 3 1-2 mi. brick paving, at $48,000 per mi., and tentative contract for 7 mi. (kind to be determined later). Bids received for 5 1-2 mi. rejected.

*Mo., Charleston—Mississippi County Court let contract grading, draining, paving and building culverts on 15.3 mi. Poplar Bluff-Cairo Rd. from Charleston to Bird's Point, State Rd. Project No. 7, Sect. "A", 16 ft. wide, to R. L. Williams, Wyatt, $461,616. Noted Sept. 25.

*Mo., Joplin—City let contract paving Indiana Ave., Main and F. Sts., concrete and waterbound macadam, to Ozark Paving Co., Joplin, $15,155.

*Tex., Dallas—City let contracts to Texas Bitulithic Co., Praetorian Bldg., paving Peabody Ave. from Wall to Horwood Sts., involving 8303 sq.yd. asphalt on 5 in. concrete base, 1944 lin.ft. combined concrete curb, gutter and sidewalk, 2114 cu.yd. earth excav., etc., $31,992; Rawlins St. from Oak Lawn Ave. to Wycliff St., 30 ft. wide, 7936 sq.yd. asphalt on 5 in. concrete base, 2368 lin.ft. combined concrete curb and gutter, 109 lin.ft. concrete sidewalk, 2056 cu.yd. earth excav., etc., $30,227; Oak Lawn Ave. from Cedar Springs to Lemon Sts., 6111 sq.yd. asphalt on 5 in. concrete base, 2381 lin.ft. combined concrete curb and gutter, 69 lin.ft. concrete sdiewalk, 1539 cu.yd. earth excav., etc., $23,900; Grand Ave. from Holms to Wall Sts., 4231 sq.yd. asphalt on 5 in. concrete base, 2479 lin.ft. combined curb and gutter, 166 lin.ft. sidewalk, 500 cu.yd. earth excav., etc., $17,555; Jefferson Ave. from Polk to Marlborough Sts., 30 ft. wide, 26,032 sq.yd. asphalt on 5 in. concrete base, 3106 lin.ft. combined concrete curb and gutter, 2485 lin.ft. sidewalk, 6701 cu. yd. earth excav., etc., $22,980.

*Tex., Falfurrias—Brooks Co. let contract excavating, grading, subgrading, caliche surfacing and building concrete culverts on 10.75 mi. Highway No. 12 from Encinal to south line Brooks Co., 16 ft. wide, to W. T. Hutto, Hutto, $31,982. Work involves 15 acres clearing and grubbing 10.36 mi. road machine work, 14,025 cu.yd. unclassified earth excav., 13 cu.yd. class A, 2 cu.yd. class B and 13 cu.yd. class C concrete and 1293 lb. reinforcing steel. Noted Sept. 11.

*Tex., Rockwall—Rockwall Co. let contract to Worthington, McElwrath & Rogers, Corsicana, building plain and rein.-con. road on 13.36 mi. Highway No. 1 from Dallas Co. to Collin Co. line, 18 ft. wide, involving 3.82 mi. blade machine work, 2524 sq.yd. bituminous surface treatment, 72,556 cu.yd. unclassified earth excav., 30,605 sq.yd. rein.-con. gravel concrete, 107,260 sq.yd. plain gravel concrete, etc., $409,120; rein.-con. drainage structures on same, involving 1200 ft. concrete viaduct, 1042 cu.yd. structural excav., 366,222 lb. reinforced steel, 33,060 lb. structural steel, 2181 ft. class A, 846 ft. class B and 67 ft. class C concrete, etc., $109,625. Noted Sept. 11.

*Ariz., Prescott—City let contract paving 5 blocks Mt. Vernon Ave., to Southwestern Constr. Co., 13th Ave. and Lincoln St. Phoenix, $76,944.

*Wash., Dayton—City let contract paving 1st St., 1 course concrete, to Alloway & George, Walla Walla. About $21,000.

*Wash., Everett—City Council let contract paving with concrete, building concrete curbs, gutters and sidewalks, on Rucker Ave., et al, 30 ft. wide, to Hoover & Co., Everett, $21,000.

*Wash., Yakima—Comrs. Yakima Co. let contract paving 2 mi. road from Buena to Toppenish, bitulithic top with concrete base, to Standard Asphalt Paving Co., North 517 Lincoln St., Spokane, $51,200.

*California—State Highway Comn., 515 Forum Bldg., Sacramento, let contract building 1.3 mi. Div. 7, Route 2, Sect. C road between Russel Ranch and former easterly boundary, Ventura Co., to G. R. Curtis, 2440 East 26 St., Los Angeles; 4.7 mi. Div. 3, Route 4, Sect. D, road between Houston School and Northerly boundary, San Joaquin Co., W. A. Dontanville, Salinas; 8.6 mi. Div. 7, Route 23, Sect. E, road between 2 mi. north of Acton and Palmdale, F. Hoffman, Long Beach. Noted Sept. 18.

*Cal., Los Angeles—City let contract paving 3 blocks Bway. from 10th to Pico Sts., to Los Angeles Paving Co., 2900 Santa Fe Ave., $30,532. Work involves 37,050 sq.ft. grading and bitulithic paving, 6240 sq.ft. asphalt paving and grading, 2150 lin.ft cement curbs, 30,385 sq.ft. cement sidewalks, 1833 sq.ft. concrete gutters and 187 sq.ft. granite block gutters.

*Cal., Oakland—City let contract paving, grading, curbing, guttering, 47th Ave., to Bates & Borland, Bway. and 12th St., $16,084; East 10th St., to Hutchinson Co., 444-17th St., $30,941; Jefferson St., to Ransome Randle Co., Oakland, $28,857. Noted Sept. 11 and 25.

*Cal., Oakland—City let contract grading, curbing, guttering paving and building 76 lin. ft. 10 in. pipe conduit in 8th St. from Clay to Market Sts., to Ransome Randle Co., Oakland, $22,896. Work involves 5468 sq.yd. asphalt, 4232 sq.ft. brick gutter, 3317 lin.ft. concrete curbing and 180 lin.ft. granite curbing reset.

*Cal., Oakland—City let contract improving, 26th Ave. from Foothill Blvd. to East 22nd St., involving grading 58,360 sq.ft., 176 lin.ft. concrete and 1809 lin.ft. redwood curbing, 6011 lin.ft. concrete guttering, 10,406 lin.ft. cement sidewalks, 28,942 sq.ft. oil macadam and 830 lin.ft. 10-16 in. pipe conduit, to Bates & Borland, Bway and 12th Sts., $12,739.

*Cal., South Pasedena—City let contract paving Orange Grove Ave., to W. Liddington, 420 East 60th St., Los Angeles, $34,024. Work involves 165,000 sq.ft. 5 in. concrete paving, 188,000 sq.ft. grading, 6000 lin.ft. cement curbs, storm drain, etc.

*Cal., Venice—City let contract paving Virginia Ave., to A. Stutzer, Menotta Bldg. About $30,000. Work involves 14,364 sq.ft. 5 in. concrete pavement, 8540 lin.ft. cement curbs, 10,488 cu.yd. earth fill, 4543 sq.ft. cement sidewalks and 162,000 sq.ft. oil surface.

Railways

PROPOSED WORK

New York—Emporium Forestry Co., New York Central Depot, Utica, plans to extend Grasse River R. R. from Cranberry Lake Village to Benson Mines. About $100,000.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

*Minnesota—Mesaba Electric Ry., Virginia, let contract for trestles, wooden and steel bridges in connection with changing of route between Chisholm and Hibbing, to Stack Constr. Co., Selwood Bldg., Duluth, $40,000; grading approaches along same, to C. Magnuson, 1617 Jefferson St., Duluth, $70,000. Work involves 12,000 lin.ft. piling, 180,000 ft. timber for trestles, 243 cu.yd. mass concrete and 275 cu.yd. rein.-con.

Excavation and Dredging

PROPOSED WORK

N. Y., Brooklyn—Dredging—E. Riegelmann, boro. pres., rejected bids received Sept. 10, dredging Gowanus Canal from its head to Hamilton Ave. and Newtown Creek Canal at and in canal and basin included within boundaries of Johnson and Varick Aves. and in Stagg St. basin. Work will be readvertised. Noted Sept. 4.

Mont., Laurel—Irrigation—Italian Ditch Co. soon receives bids irrigating 4000 acres in Yellowstone Co. Work includes 3-4 mi. extension to canal and involves 15,000 cu.yd. excav. and 60 cu.yd. concrete in headgates. About $10,000. B. C. Lillis, 239 Clark Ave., Billings, engr.

BIDS DESIRED

Minn., Austin—Dredging—Until Nov. 19, by Mower Co., dredging channel of Red Cedar River, involving 40,000 cu.yd. excav. About $15,000. A. B. Overland, Austin, engr.

Minn., Olivia—Ditch—Until Dec. 8 (change of date), by Comrs. Renville Co., building Ditch No. 75. About $115,889. F. M. Shepherd, Olivia, engr.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

*N. Y., Kingston—Excavation—State Highway Comn., Capitol, Albany, let contract excavating for anchorage shafts for bridge over Rondout Creek, on State Rd. No. 5599-B, to Booth & Flinn, 17 Battery Pl., New York City, $14,650.

*N. Y., New York—Dredging—M. H. Hurlburt, comr. docks, Pier "A", North River, let contract dredging 11,000 cu.yd. at Pier 33, North River, excavating and dredging 64,000 cu.yd. bulkhead at West 79th, 80th to 97th St. North River, to F. E. Jones, 17 Battery Pl., $5060 and $29,670 respectively; excavating and dredging 1850 cu.yd. bulkhead at East River, East 54th, East 64th and East 79th Sts. and 55,650 cu.yd. at all piers of East River, East 30th, East 94th, East 96th, East 98th, East 99th, East 100th, East 102nd, East 104th, East 108th, East 109th, East 110th, East 117th, East 118th, East 119th, East 123rd, East 124th and East 125th Sts., to P. S. Ross, Inc., 277 Washington St., Jersey City, N. J., $2714 and $36,292 respectively.

*Ia., Washington — Drainage — Comrs. Washington Co. let contract for open work for building D. D. No. 6, to Maring-Day Co., Lincoln, Neb., $32,427; tile to C. Hangsted, Nevada, $27,250.

*N. B., St. John—Dredging—Dept. Pub. Wks. let contract dredging 40,000 yd. along wharves at West St., John, to J. A. Gregory, West St. John, $.33 per yd.

*Ont., Lucknow—Drainage—W. A. Wilson, town clk., let contract to W. T. Johnston R.R. No. 2, Auburn, building Kirk Drain, in West Wawanosh Twp., involving 11,830 cu.yd. open work and 845 cu.yd. covered work and J. B. Young Drain, in West Wawanosh Twp., 15,300 cu.yd. open work and 272 cu.yd. covered work; cost, $12,187.

*Ont., Ogdensburg—Dredging—Dominion Government, Ottawa, let contract dredging 40,000 cu.yd. Ogdensburg Harbor, to Daly Dredging Co., Ogdensburg. About $65,000.

Industrial Work

PROPOSED WORK

Mass., Wakefield—Heywood Bros. & Wakefield Co., Gardner, having preliminary sketches made by Lee & Hewitt, archts. and engrs., 1123 Bway., New York City, for 3 story, rein.-con. and steel addition to factory, rein-con. flooring, concrete foundation, here. About $150,000.

R. I., Providence—R. Sturgis, Power and Thayer Sts., plans to build 1 story, 50 x 100 ft., brick and concrete garage, rein.-con. flooring, concrete foundation. About $25,000. Private plans.

N. Y., Alexandria Bay—J. H. and G. A. Hutchinson, plan to build 2 story concrete garage, to accommodate 100 cars. About $60,000.

N. Y., Bolivar—L. G. Burt, Bradford, Pa., heads a company, which has been capitalized with $1,000,000, to build refinery here, to include 11 mi. 3 in. pipe line. About $350,000.

N. Y., Charlotte (Rochester P. O.)—Rochester Folding Box Co. plans to build concrete, brick and steel addition to plant on Elizabeth Ave. and install additional transmission line. About $300,000. E. Z. Adams, pres.

N. Y., Clayton—F. Dailey plans to build 2 story, 60 x 92 ft., brick, concrete and steel garage, on Merrick St. Cost including equipment, $75,000.

N. Y., Dexter—Dexter Sulphite Pulp & Paper Co., plans to build concrete and steel plant. About $300,000. Address H. A. Long, secy.

N. Y., Geneva—Geneva Glass Mfg. Co., Ave. F, plans to build additions to plant. Cost, including equipment, between $50,-

Industrial Work (Continued)

000 and $60,000. Address J. O. Jensen, Ontario St.

N. Y., Long Island City—G. Piel Co., 29-13th St., having plans prepared by C. H. Higgins, archt. and engr., 19 West 44th St., New York City, for 6 story, 150 x 200 ft. rein.-con and steel industrial building, rein.-con. flooring, concrete foundation, on 7th, 8th, Washington and Pierce Aves.

N. Y., Long Island City—Ballinger & Perrott, archts. and engrs., 47 West 34th St., New York City, soon let contract building 10 story, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Queens St., for W. P. White, c-o architects. About $1,000,000.

N. Y., New York—Vitreous Enameling & Stamping Co., Inc., 11 East 167th St, having plans prepared by F. W. Rinn, archt. and engr., 70 West 181st St., for 1 story, 70 x 172 ft., brick and steel factory and garage, rein.-con. flooring, concrete foundation, on Sedgwick Ave. and 171st St. About $80,000.

N. Y., Watertown—Marcy-Buck Co., 102 Mill St., plans to build 2 story, 35 x 200 ft. warehouse with 12 car trestle. About $100,000.

N. Y., Watertown — J. W. Phippen plans to build 2 story, 47 x 180 ft., concrete and steel garage at 114 North Massey St. Cost between $75,000 and $85,000.

N. Y., Rochester—North East Electric Co., 348 Whitney St., plans to build 2 story, 61 x 206 ft. brick and rein.-con. factory, on Orchard St. between Lime St. and Lyell Ave. About $200,000

N. Y., Rochester—Rochester Ice Cream Co., foot of White St., plans to build and equip 4 story, 150 x 200 ft. concrete and steel factory. Cost between $450,000 and $500,000.

N. Y., Salamanca—R. P. Stewart Dyeing & Bleaching Co., Rochester St., plans to build 1 story, brick, concrete and steel dye plant. Cost including equipment, $100,000.

N. Y., Schenectady—Superior Printing & Box Co., Clinton St., plans to build 2 story, 30 x 166 ft., rein.-con. factory, rein.-con. flooring, concrete foundation. About $35,000. J. Densham, 712 Campbell Ave., archt. and engr.

Pa., Bloomsburg—C. Housnick, c-o W. H. Lee, archt., 30 South 17th St., having plans prepared for 2 story, 112 x 117 ft. garage and dance hall, concrete and steel. Cost between $40,000 and $50,000.

Md., Baltimore—Consolidated Gas, Electric Light & Power Co., Lexington Bldg., preparing plans for 2 story, 53 x 101 ft., concrete and brick factory, rock foundation, on Kloman St. and Western Maryland R. R. About $50,000. G. Beadenkoff, ch. engr

Md., Towson—Baltimore City Printing & Binding Co., 352 Equitable Bldg., Baltimore, having plans prepared by Dewitz & Webb, archts., 232 St. Paul St., Baltimore, for 2 story, 70 x 120 ft., brick factory and print shop, rock and brick foundation. About $30,000. F. A. Vinton, pres. and mgr.

O., Akron—Star Rubber Co., 1068 Sweitzer Ave., having plans prepared by Osborn Eng. Co., engrs. and archts., 2848 Prospect Ave., for 4 story, 60 x 110 ft., concrete, steel and brick factory, on Sweitzer Ave. About $75,000.

O., Cleveland—City Ice Delivery Co., Cadillac Bldg., soon lets contract constructing 28 x 70 ft. storage building and 22 x 24 ft. engine room, 1 story, concrete, steel and brick, rein.-con. flooring, concrete foundation, on Madison Ave. About $25,000 C. C Coneby, Cadillac Bldg., archt

O., Cleveland—City Ice Delivery Co., Cadillac Bldg., receives bids about January, constructing 1 story, rein.-con., steel and brick storage building, rein.-con. flooring, concrete foundation, on Cedar and Lee Rds. About $100,000. C. C. Coneby, Cadillac Bldg., engr. and archt.

O., Cleveland—W. S. Ferguson Co., engrs., 1900 Euclid Ave., soon lets contract building 3 story, 100 x 385 ft., concrete, steel and brick factory and boiler plant, rein.-con. flooring, concrete foundation, on East 152nd St., for Ultimate Tire & Rubber Co., Hippodrome Bldg. About $200,000.

O., Columbus — Fireproof Storage & Warehouse Co., 1024 North High St., having plans prepared by F. L. Packard, archt., New Hayden Bldg., for 5 story, 70 x 80 ft., rein.-con. warehouse, on North High St. About $50,000.

O., Willoughby—Zenith Tire & Rubber Co., 456 Leader News Bldg., Cleveland, having plans prepared by A. W. Harris, engr. and archt., 829 Schofield Bldg., Cleveland, for 1 and 3 story, 100 x 585 ft., concrete, steel and brick factory and boilerplant, rein.-con. flooring, concrete foundation, here. About $500,000.

Mich., Detroit—Smith, Hinchman & Grylls, archts., 710 Washington Arcade, soon let contract building 123 x 678 ft. train shed, shipping and press room, 60 x 105 ft. storage building, brick and steel, rein.-con. loading platform with asphalt floor and 2 plate girder bridges over tracks, one 45 ft. and one 26 ft. spans, on West End and Railroad Aves., for Fisher Body Co., Oakland and Piquette Aves.

Mich., Jackson—Hup Motor Car Co., Park Ave., soon lets contract building 1 story, 170 x 280 ft., rein.-con., brick and steel factory, concrete foundation. Smith, Hinchman & Grylls, 710 Washington Arcade Bldg., Detroit, archts. and engrs.

Minn., Duluth—J. J. Wagenstein, archt. and engr., Providence Bldg., soon lets contract building 2 story, 50 x 120 ft. factory addition and 20 x 40 ft. boiler house, brick, rein.-con. flooring, concrete foundation, for Diamond Calk Horseshoe Co., 47th Ave. W. About $70,000.

Minn., Minneapolis—State Highway Comn., Guardian Life Bldg., St. Paul, having preliminary plans prepared by C. L. Pillsbury Co., engrs., Metropolitan Life Bldg., and C. H. Johnston, archt., Capital Life Bldg., St. Paul, for 1 story, 24 x 100 x 150 ft., concrete, steel and brick garage, here. About $60,000.

Cal., Richgrove—Southern California Edison Co., Edison Bldg., Los Angeles, plans to construct 43,000 h.p. hydro-electric plant, dam, tunnels and flumes to divert 600 cu.ft. water per second from North Fork of Kern River, Tulare Co. About $9,231,358.

BIDS DESIRED

Pa., Duryea—(Pittston, P. O.)—Until Nov. 15, by Lockwood-Green, archts. and engrs., 101 Park Ave., New York City, building 2 story, 50 x 100 ft. silk mill, rein.-con., rein.-con. flooring, concrete foundation, for Bloomsburg Silk Co., c-o architects. About $35,000.

O., Cleveland—Until Dec. 1, by Arco Co., 6518 Euclid Ave., constructing 1 story, 80 x 150 ft., concrete, steel and brick storage building, rein.-con. flooring, concrete foundation, on Bessemer Rd. About $60,000. Lockwood Greene & Co., South Dearborn St., Chicago, engrs. and archts.

Ill., Chicago—D. S. Klafter, archt., 64 West Randolph St., receiving bids constructing 1 story, 125 x 200 ft. foundry, 2 story, 30 x 85 ft. warehouse and 2 story, 60 x 65 ft. office building, brick and timber, concrete foundation, on Loomis and 21st Sts., for H. Kramer & Co., 1330 West 21st St. About $165,000.

Ill., Chicago—Until Nov. 20, by Lowe & Bollenbacher, archts., 108 South La Salle St., building 1 and 2 story, 210 x 420 ft., factory and office, brick and rein.-con., rein.-con. flooring, concrete foundation, on 31st St. and Kilbourne Ave. for Tuthill Spring Co., 760 West Polk St. About $200,000.

Ia., Maquoketa—Until Nov. 19, by city, building 35 x 46 ft. addition to hydro electric plant, also furnishing one 250 h.p. Diesel type engine direct connected to 210 k.v.a. generator with belted exciter, oil tank, pole and line material, switch board and station equipment, meters, transformers, etc. G. O. Morse, supt. W. E. Skinner, Lumber Exch., Minneapolis, engr.

Tex., Ft. Worth—Until Dec. 1, by F. C. Manning, c-o Manning Dyeing & Dry Cleaning Co., 425 Bway., building 1 or 2 story, brick and concrete factory, concrete foundation, on St. Louis Ave. About $30,000. C. Allen, 8th St. near Houston St., archt.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

***Mass., Cambridge**—Cambridge Rubber Co., 748 Main St., let contract building 4 story, 74 x 90 ft., brick and concrete addition to factory, rein.-con. flooring, concrete foundation, to W. M. Bailey Co., 88 Broad St., Boston. About $50,000.

***Mass., Newton Upper Falls**—Saco-Lowell Shops, Oak St., let contract building 1 story, 160 x 200 ft., brick, concrete and steel addition to factory, rein.-con. flooring, concrete foundation, to Natl. Eng. Co., 40 Central St., Boston. About $90,000.

***Mass., Spencer**—Bigwood Woolen Co., Valley St., let contract building 2 story, 57 x 84 ft., brick and mill construction addition to mill, concrete foundation, to E. D. Ward, 82 Foster St., Worcester. About $25,000.

***Mass., Worcester**—Taxicab Serv. Co., 353 Pleasant St., let contract building 1 story, 60 x 93 ft., brick and concrete garage, rein.-con. flooring, concrete foundation, to J. Miles & Son, 393 Main St. About $25,000.

***R. I., Pawtucket**—Potter & Johnston Machine Co., 1027 Newport Ave., let contract building 1 story, 112 x 273 ft. brick and mill construction addition to plant, rein.-con. flooring and foundation, on London Ave., to W. H. Hamlyn & Son, 35 Greenwich St., Providence. About $75,000.

***R. I., Pawtucket**—Rhode Island Fittings Co., Hillsgrove, let contract remodeling and building 2 story, 41 x 50 ft. brick and mill construction addition to factory, concrete foundation, on Newell Ave., here, to Interstate Constr. Co., 29 Weybosset St., Providence. About $30,000.

***R. I., Woonsocket**—Border City Garnetting Co., 24 East Mill St., let contract building 1 story, 60 x 100 ft., brick and mill construction addition to plant, concrete flooring and foundation, to J. F. Fleurant & Son, 158 Rathbun St. About $25,000.

***N. Y., Brooklyn**—C. W. H. Carter, Columbia St., let contract building several 1 and 2 story, steel and brick factories, rein.-con. flooring, concrete foundation, to E. Taylor & Sons, 321-75th St. About $250,000.

***N. Y., Brooklyn**—I. Friedman, 16 Court St., will build 2 story, 50 x 50 x 140 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Pearl, Tillery and Adams Sts. About $250,000. Work will be done by day labor.

***N. Y., Brooklyn**—L. Gold, 44 Court St., will build 4 story, brick and steel garage, rein.-con. flooring, concrete foundation, on Atlantic Ave. between Franklin and Classon Aves. About $400,000. Work will be done by day labor.

***N. Y., Brooklyn**—Normandy Theatre Co., Fulton St. and Howard Ave., will build 1 story, brick and steel garage, rein.-con. flooring, concrete foundation, at 1874 Fulton St. About $25,000. Work will be done by day labor.

***N. Y., Brooklyn**—Safe Constr. Co., 125 Bristol St., will build 1 story, 100 x 200 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on 4th Ave. between 4th and 5th Sts. About $30,000. Work will be done by day labor.

***N. Y., Brooklyn**—Shipley Constr. & Supply Co., Columbia and Warren Sts., let contract building 2 story, 240 x 340 ft., brick and steel factory, rein.-con. flooring, concrete foundation, on 41st and 42nd Sts. between 2nd and 3rd Aves., to Post & McCord, 101 Park Ave., New York City.

***N. Y., Buffalo**—Fowler Nail Co. let contract building 73 x 400 ft., 120 x 126 ft., 47 x 275 ft. and 96 x 120 ft. rein.-con. and steel factories, rein.-con. flooring, concrete foundation, on Military Rd., to J. W. Cowper Co., Fidelity Bldg. About $250,000, cost plus percentage basis.

***N. Y., Buffalo**—Niagara Machine & Tool Co., 683 Northland Ave., let steel contract building 1 story, 75 x 140 ft. steel and concrete addition to assembly and machine shop, rein.-con. flooring, concrete foundation, to Pittsburg Steel & Iron Co., Union Arcade, Pittsburg; masonry, to Tifft Constr. Co., Iroquois Bldg. About $125,000. Noted Aug. 28.

***N. Y., S. I. Clifton**—Fraser, Brace & Clark Dry Dock Co., Inc., 47 West 34th St., New York City, let contract constructing eight 1 story, 50 x 100 ft., brick and steel, ship repair plants, rein.-con. flooring, concrete foundation, here, to Fraser, Brace & Co., Inc., 47 West 34th St., New York City. About $1,800,000.

Industrial Work (Continued)

***N. Y., Dunkirk**—Continental Heater Co., Otter St., let contract building two, 1 story, 60 x 100 ft., brick and steel additions to factory, concrete foundation, to J. W. Cowper Co., Fidelity Bldg., Buffalo.

***N. Y., Lockport**—Lockport Foundries Corp. let contract building 1 story rein.-con. and steel foundry, rein.-con. flooring, concrete foundation, to H. D. Best, Flatiron Bldg., New York City. About $250,000.

***N. Y., Long Island City**—M. Miller, 935 Intervale Ave., Bronx, will build 100 x 175 ft., brick and steel factory, rein.-con. flooring, concrete foundation, on Borden Ave. and Oliver St., here. About $100,000. Work will be done by day labor.

***N. Y., Marcy**—State Hospital Comn., Capital, Albany, let general contract building 1 story, 65 x 280 ft. central heating plant and 1 story, 80 x 120 ft., boiler room, brick and steel, concrete foundation, for Utica State Hospital, Marcy Division, here, to P. Keeler Bldg. Co., 425 Orange St., Albany, $206,840; heating, to Shevlin Eng. Co., Inc., 110 West 34th St., New York City, $279,498; plumbing, to A. J. Eckert Co., 103 North Lake Ave., Albany, $10,382; electric work, to Langdon & Hughes Electric Co., 233 Elizabeth St., Utica, $20,131. Noted Sept. 18.

***N. Y., New York**—Davis & Lawrence, 10 Christopher St., let contract building 3 story, 50 x 200 ft. rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on 238th St. and Bronx Blvd., to Hegeman-Harris, 33 West 42nd St. About $100,000.

***N. Y., New York**—East 55th St., Garage Co., c-o T. J. Schefelk, archt. and engr., 788-East 175th St., will build 2 story, brick and steel garage, rein.-con. flooring, concrete foundation, at 226-232 East 55th St. About $50,000. Work will be done by day labor.

***N. Y., New York**—East 169th St. Realty Corp., 1474 Shakespeare Ave., will build 1 story, 117 x 200 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on 156th St. and Cauldwell Ave. About $60,000. Work will be done by day labor.

***N. Y., New York**—V. C. Farrar, archt. and engr., 4 East 39th St., let contract to J. J. McMahon, Inc., 20 West 34th St., converting 5 story, brick and steel building, at 117 West 46th St., into garage and office, for Hoover Letter Serv., Inc., c-o architect. About $25,000. Noted Sept. 18.

***N. Y., New York**—Gordon Radiator Co., 154 West 18th St., let contract building 2 story, 100 x 262 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Wales Ave. corner 143rd St., to Austin Co., 217 Bway. About $60,000.

***N. Y., New York**—Klein Impvt. Co., 605 West 131st St., will build 1 story, 50 x 100 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on 135th St. and 5th Ave. About $30,000. Work will be done by day labor

***N. Y., New York**—J. Latimer, c-o Ebling & Magnusen, archts. and engrs., 52 Vanderbilt Ave., let contract building 1 story, brick and steel garage, rein.-con. flooring, concrete foundation, to W. F. Henry, 316 Flatbush Ave., Brooklyn. About $100,000.

***N. Y., New York**—Lever & Sidway, 238 Ft. Washington Ave., will build 2 story, 100 x 165 ft., brick and steel garage, rein.-con. flooring, brick foundation. About $105,000. Work will be done by day labor.

***N. Y., New York**—Melville-Clark Piano Co., 518 West 55th St., let contract building 5 story, 68 x 263 ft., brick, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on 132nd St. and Walnut Ave., to Industrial Eng. Co., 30 Church St. About $250,000.

***N. Y., New York**—Ballinger & Perrott, archts. and engrs., 47 West 34th St., let contract to Industrial Eng. Co., 30 Church St., for 6 story, 375 x 382 x 316 x 390 ft. rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on 141st St., and Walton Ave., for Port Morris Holding Co., c-o Winters & Co., 137th St. and Southern Blvd. About $500,000. Noted Sept. 11.

***N. Y., New York**—Uneeda Ice Co., Inc., 666 East 187th St., let contract building 3 story, 74 x 90 ft., rein.-con. and steel plant, rein.-con. flooring, concrete foundation, on Jumel Pl. and 167th St., to Lustbader Constr. Co., 103 Park Ave. About $100,000.

***N. Y., New York**—M. Spodek, 157 Forsyth St., will build 2 story, 100 x 100 ft. brick and steel garage, rein.-con. flooring, concrete foundation, at 329-335 East 48th St. About $50,000. Work will be done by day labor.

***N. Y., Niagara Falls**—Carborundum Co., Buffalo and 14th Sts., let contract building 3 story, 99 x 224 ft. rein.-con. addition to factory, rein.-con. flooring, on Buffalo St., to Kearns Constr. Co., Milk St., Boston, Mass. About $150,000. Noted Sept. 4.

***N. Y., Port Chester**—Mint Products Co., Inc., 299 Madison Ave., New York City, let contract building rein.-con. and steel factory, rein.-con. flooring, concrete foundation, to Turner Constr. Co., 244 Madison Ave., New York City. About $400,000. Noted Aug. 28.

***N. Y., Rochester**—Bastian Bros., 69 Mt. Hope Ave., let contract building 4 story, rein.-con. factory, rein.-con. flooring, concrete foundation, to F. T. Ley & Co., Inc., 499 Main St., Springfield, Mass. About $200,000.

***N. Y., Syracuse**—Brown Co., 213 Bellevue Ave., let contract building 2 story, 50 x 98 ft., and 65 x 90 ft. rein.-con. factory, rein.-con. flooring, concrete foundation, on Chester St., to T. H. McHale & Son, Cahill Bldg. About $50,000; cost plus percentage basis.

***N. Y., Walton**—J. Kayser Co., 32nd St. and Madison Ave., New York City, let contract building 1 story, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, here, to M. D. Bennett, Sidney. About $100,000. Noted Sept. 11.

***N. J., Edgewater**—U. S. Aluminum Co. let contract building 81 x 450 ft. and 80 x 176 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, to Turner Constr. Co., 244 Madison Ave., New York City. About $1,000,000.

***N. J., Jersey City**—Colgate Co., 105 Hudson St., let contract building rein.-con. addition to factory on York St., to Turner Constr. Co., 242 Madison Ave., New York City. About $200,000.

***N. J., Jersey City**—Continental Candy Co., 374 West Side Ave., let contract building 8 story, rein.-con. plant, rein.-con. foundation, to J. Mitchell, Inc., 76 Montgomery St. About $75,000.

***N. J., Jersey City**—Drop Forge Co., 277 Westside Ave., let contract building 4 story, 46 x 134 ft. rein.-con. factory, here, to J. W. Ferguson, United Bank Bldg., Paterson. About $50,000.

***N. J., Jersey City**—Novelty Candy Co., Claremont Ave., let general contract building rein.-con. factory, on West Side Ave., to J. T. Mitchell, Inc., 76 Montgomery St., excavating and foundation to E. M. Flaherty, Montgomery St. About $200,000.

***N. J., Phillipsburg**—Wallace Silk Co. let contract building 3 story, 60 x 150 ft. rein.-con. factory, to Amer. Concrete Steel Co., 27 Clinton St., Newark; cost plus percentage basis.

***Pa., Allentown**—International Motor Co., 2302 Chestnut St., Phila., let contract building 2 story, 300 x 540 ft. and 60 x 300 ft., steel and brick factories here, to Austin Co., Bulletin Bldg., Phila. About $300,000.

***Pa., Bethlehem**—Traveler Tire & Rubber Co., 819 North Broad St., Phila., let contract building 1 story, 100 x 333 ft. concrete factory, here, to Butz & Clader, Ainey Bldg., Allentown. About $180,000. Noted Mar. 6.

***Pa., Mont Alto**—E. Martin, comr. health, Harrisburg, let contract building additions to heating plant, constructing new heating plant, laundry and installing heating and plumbing systems for latter, here, to Central Constr. Corp., Commonwealth Trust Bldg., Harrisburg. About $100,000. Noted Sept. 4.

***Pa., Phila.**—Abbotts-Alderney Dairies, Inc., 31st and Chestnut Sts., let contract building 2 story, 65 x 125 ft. brick and concrete addition to factory, at 220 Lombard St., to Barclay, White & Co., 1713 Sansome St. About $140,000.

***Pa., Phila.**—Amer. Ice Co., 6th and Arch Sts., let contract constructing rein.-con. ice plant, to consist of three 1 story, buildings, 58 x 116 ft., 48 x 58 ft. and 16 x 28 ft., to Cramp & Co., Denchl. Bldg. About $150,000.

***Pa., Phila.**—Amer. Preserve Co., 946 Beach St., let contract building 5 story, 80 x 250 ft. factory and 1 story, 50 x 70 ft. boiler house, rein.-con. on 3rd and Lehigh Sts., to Cramp & Co., Denchla Bldg. About $400,000. Noted Sept. 18.

***Pa., Phila.**—Folwell Bros. & Co., Inc., 625 Chestnut St., let contract building 5 story, 23 x 101 ft., factory, on American and Somerset Sts., to W. Steele & Sons Co., Inc., 16th and Arch Sts. About $100,000.

***Pa., Phila.**—Hohlfeld Mfg. Co., 10th and Allegheny Sts., let contract altering and building additions to factory, to W. Steele & Sons Co., 16th and Arch Sts. Cost will probably exceed, $100,000.

***Pa., Phila.**—Hulton Dyeing Co., 3819 Frankfort Ave., let contract building 2 story, 62 x 400 ft. brick factory on Wheatsheaf and Coral Sts., to F. Crompton & Bro., 4614 Oakland St. About $120,000.

***Pa., Phila.**—Landis & Co., 45 North 3rd St., let contract building 6 story, 32 x 84 ft. and 48 x 55 ft. warehouse, brick, concrete and slow burning construction, on 2nd and Cuthbert Sts., to B. Turbin, 605 Reed St. About $50,000.

***Pa., Phila.**—Liggett & Meyers Tobacco Co., Ontario and 3rd Sts., let contract altering and building 3 story, 62 x 211 ft. brick addition to factory, to Austin Co., Bulletin Bldg. About $90,000.

***Pa., Phila.**—Newton Machine & Tool Wks., Inc., 23rd and Vine Sts., let contract building 1 story, 102 x 170 ft., brick and iron machine shop, on 23rd and Pearl Sts., to Belmont Iron Wks., Land Title Bldg. About $50,000.

***Pa., Pittsburgh**—Allegheny Gear Wks., Keenan Bldg., let contract building 1 story, 80 x 135 ft., steel and brick factory, rein.-con. and wood block flooring, concrete foundation, on Page and Chateau Sts., to Toupet, Beil & Conley, East End. About $30,000.

***Pa., Plains**—Magan Silk Co. let contract building 2 story, 70 x 150 ft. silk mill, steel and brick, rein.-con. flooring, rock foundation, on Wyoming St., to J. Schmitt & Sons, Bennett Bldg., Wilkesbarre. About $60,000.

***Pa., Scranton**—Miner Hillard Milling Co., Wyoming Natl. Bank Bldg., Wilkesbarre, let contract building 3 story, 65 x 73 ft., rein.-con. and steel mill, rein.-con. flooring, rock foundation, on Cion St. here, to Turner Constr. Co., 242 Madison Ave., New York City. About $185,000.

***Md., Hagerstown**—M. B. Sine will build ice cream plant, 2 story, 56 x 99 ft., rein.-con., steel and brick, rein.-con. flooring. About $40,000. Work will be done by day labor. Noted Oct. 16.

***Md., Silver Run**—A. W. Feezer let contract constructing concrete, steel and brick power house, factory and storage building, to Roystone-Craig Eng. Co., Westminster. About $50,000.

***Md., Towson Heights** (Baltimore P. O.)—Black & Decker Mfg. Co., 105-15 South Calvert St., Baltimore, let contract building 2 story, 100 x 200 ft., steel and brick addition to factory, concrete flooring, concrete foundation, to Austin & Co., 1821 North 5th St., Phila. About $100,000.

***O., Akron**—Sinclair Oil Co., 111 West Washington St., Chicago, Ill., will build 2 story, 50 x 165 ft., concrete, steel and brick warehouse and filling station, rein.-con. flooring, concrete foundation, on Hazel St. and Baltimore & Ohio R.R., here. About $75,000. Work will be done by day labor. Noted Aug 7.

***O., Berea**—Dunham Co. let contract building 1 story, 100 x 150 ft., concrete, steel and brick machine shop, rein.-con. flooring, concrete foundation, to D. Gilchrest, Berea. About $75,000.

***O., Cleveland**—Euclid 71st St. Co., Schofield Bldg., let contract constructing 3 and 4 story, 195 x 283 ft., concrete, steel and brick garage and service building, rein.-con. flooring, concrete foundation, on Euclid Ave. and East 71st St., to Craig Curtiss Co., Guardian Bldg. About $500,000.

***O., Cleveland**—Hercules Tire & Rubber Co., Wade Bldg., will build 3 story, 80 x 320 ft., concrete, steel and brick

Industrial Work (Continued)

plant, rein.-con. flooring, concrete foundation, on West Park Rd. Plans include factory, office building and power house. About $350,000. Work will be done by day labor.

*O., Cleveland—Marble Shattuck Chair Co., East 105th St. and Lake Shore R.R., let contract constructing 3 story, frame shop, 1 story, stone and brick bending room and 1 story, concrete, kiln building, rein.-con. flooring, concrete and brick foundation, to L. Dantel Co., 5716 Hough Ave. About $100,000.

*O., Cleveland—K. V. Painter, 6532 Euclid Ave., let contract building 4 story, 100 x 100 ft., concrete, steel and brick garage and service station, rein.-con. flooring, concrete foundation, on East 65th St. and Euclid Ave., to A. W. Kilbourne Co., 6532 Euclid Ave. About $150,000.

*O., Columbus—D. L. Auld Co., 5th St. and 6th Ave., let contract building 2 story 53 x 86 ft. addition to plant, to Frankenberg Constr. Co., Columbus Savings & Trust Bldg., $25,000.

*O., Dayton—Comer Mfg. Co., 139 South Main St., let contract building 2 story, 85 x 130 ft., rein.-con. factory, rein.-con. flooring, concrete foundation, on Apple St., to J. Lowes, Schwind Bldg. About $65,000.

*O., Dayton—Crawford, McGregor & Canby, Albany St., let contract building 1 story, 75 x 130 ft., rein.-con. factory, rein.-con. flooring, concrete foundation, to Frank Hill Smith Co., 1035 Reibold Bldg. About $25,000.

*O., Delphos—Amer. Road Mchy Co. let contract building addition to plant, to H. K. Ferguson Co., 6523 Euclid Ave., Cleveland. About $85,000. Noted Sept. 18.

*O., Elyria—Garford Eng. Co. let contract constructing 1 story 90 x 140 ft. and 80 x 300 ft., mill buildings, concrete, steel and brick, rein.-con. flooring, concrete foundation, to H. K. Ferguson Co., Vickers Bldg. About $100,000.

*O., Elyria—Worthington Golf Ball Co. let contract building 4 story 80 x 130 ft., concrete, steel and brick factory, rein.-con. flooring, concrete foundation, to Buffalo Iron & Steel Corp., Buffalo, N. Y. About $100,000.

*Mich., Battle Creek—Postum Cereal Co., 484 Marshall St., let contract building 6 story, 110 x 250 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, to Witherspoon & Englar, 53 West Jackson Blvd., Chicago. About $300,000.

*Mich., Detroit—Anderson Electric Car Co., Milwaukee Jct., let contract to H. G. Christman Co., 315 Stevens Bldg. constructing 4 story, 100 x 187 ft., 3 story, 144 x 147 ft. and 3 story, 70 x 125 ft. factories, all rein.-con., rein.-con. flooring, concrete foundation, on Aberle and Russell Sts., $170,000, $120,000 and $60,000 respectively.

*Mich., Detroit — Burroughs Adding Machine Co., 2nd and Burroughs Aves., let contract building 2 story, 97 x 99 ft., rein.-con. and steel, boiler room, rein.-con. flooring, concrete foundation, to A. J. Smith Constr. Co., Campau Bldg.

Mich., Detroit—Central Steel & Wire Co., 127 North Peoria St., Chicago, let contract building 1 story, 150 x 160 ft., brick and steel warehouse, rein.-con. flooring, concrete foundation, on Warren and Bellevue Aves., to Industrial Bldg. Co., 38 South Dearborn St., Chicago. About $65,000.

*Mich., Detroit — Detroit Gear & Machine Co., 129 Franklin St., let contract building 3 story, 50 x 90 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, to Walbridge-Aldinger Co., 2356 Penobscot Bldg. About $50,000.

*Mich., Detroit—Detroit Lubricator Co., Marquette Ave., let contract building 3 story, 90 x 124 ft., rein.-con. and brick addition to factory, rein.-con. flooring, concrete foundation, to Walbridge-Aldinger Co., 2356 Penobscot Bldg.

*Mich., Detroit—Fruehauf Trailer Co., 1371 Gratiot Ave., let contract building 1 and 2 story, 100 x 260 ft. rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, on Harper Ave. and Detroit Terminal Ry., to Stokes & Whittingham, Penobscot Bldg. About $100,000. Noted Aug. 28.

Mich., Detroit—Genl. Aluminum & Brass Mfg. Co., St. Aubin Ave., let contract building 1 story, 60 x 75 ft., brick and steel, power house, rein.-con. flooring, concrete foundation, on St. Aubin Ave. and Grand Blvd., to Carlton Constr. Co., St. Aubin Ave.

*Mich., Detroit—General Ice Delivery, 275 Grand River Ave., will build 1 story, 36 x 322 ft., brick, frame and hollow tile storage building, rein.-con. flooring, on Warren Ave., and 2 story, 90 x 131 ft., brick, steel and frame, wagon shop and barns, rein.-con. flooring, concrete foundation, on Crane Ave. and near Mack Ave. Work will be done by day labor. Noted Sept. 18.

*Mich., Detroit—Johns Bros., 1757 Gratiot Ave., let contract building 1 story, 100 x 140 ft. brick and steel garage, rein.-con. flooring, brick foundation, on Gratiot Ave., to Teschdorf Bros., Penobscot Bldg. About $30,000.

*Mich., Detroit—Newbro Gallogly Corp., 35 Milwaukee Ave., let contract building 1 story, 54 x 110 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on East Grand Blvd. and St. Antoine St., to J. C. Ward & Son, 1088-14th Ave. About $35,000.

*Mich., Detroit—P. J. Olatte, 2608 Jefferson Ave., let contract for masonry work for 2 story, 70 x 130 ft., rein.-con. and brick garage, rein.-con. flooring, concrete foundation, on Jefferson Ave., to Moore & Brown, 400 Penobscot Bldg. About $80,000.

*Mich., Detroit—Riverside Storage & Cartage Co., Congress St., let contract building 6 story, 100 x 120 ft. rein.-con. and brick warehouse, rein.-con. flooring, concrete foundation, on Grand River and Edmonton Aves., to A. A. Albrecht, 1130 Penobscot Bldg. About $50,000.

*Mich., Detroit—Wood Hydraulic Hoist Co., 1028 Bellevue Ave., will build 1 story, 60 x 240 ft., brick and steel factory, rein.-con. flooring, concrete foundation, on Hartwick Ave. About $35,000. Work will be done by day labor.

*Mich., Dowagiac—Rudy Furnace Co. let contract constructing 1 story, 50 x 960 ft., rein.-con. and steel, foundry and storage building, concrete foundation, to Byers Bros. Constr. Co., No. 3 McNair Bldg., Kalamazoo. About $60,000. Noted Mar 13.

*Mich., Hamtramck—Acme White Lead & Color Works, St. Aubin Ave. and Michigan Central Ry., let contract building 4 story, 73 x 161 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, on St. Aubin Ave., to Foundation Co., Hotel Statler, Detroit.

*Mich., Ludington—F. Mayer Boot & Shoe Co., 166 Walnut St., Milwaukee, Wis., let contract building 3 story, 50 x 250 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, to Amer. Contg. Co., 198 Milwaukee St., Milwaukee, Wis. About $90,000.

*Mich., Marysville—Pressed Metals of Canada, 112 Adelade St., Toronto, Can., let contract building 1 and 2 story, 72 x 516 ft., rein.-con. brick and steel foundry, rein.-con. flooring, concrete foundation, near St. Clair River, to Witherspoon-Englar Co., Chicago. About $95,000.

*Mich., Marysville—Wills & Lee Co., Book Bldg., Detroit, let contract building 1 story, 72 x 370 ft. steel and brick factory, concrete foundation, on Huron Blvd., to Walbridge-Aldinger Co., 2356 Penobscot Bldg., Detroit. Noted July 31.

*Mich., Plymouth—H. S. Lee Fdry & Machine Co. let contract building 1 story, 80 x 150 ft., concrete, brick and steel addition to foundry, to Russell Wheel & Fdry. Co., Chene St. and Belt Line Ry., Detroit.

*Mich., Saginaw—Michigan Crankshaft Co. let contract building 1 story, 160 x 690 ft., brick and steel plant, concrete flooring and foundation, on Genessee Ave. and Pere Marquette R.R., to W. E. Wood & Co., 1805 Ford Bldg., Detroit. About $600,000

*Ill., Chicago—F. M. Barton Co., archts., 1510 Kimball Bldg., let masonry and carpentry contract to A. C. Thielberg, 154 West Randolph St., building 1 story, 32 x 40 ft. and 1 story, 26 x 48 ft. paint factories, 4 story, 37 x 91 ft. kalsomine factory and 1 story, 67 x 110 ft. warehouse, brick and rein.-con., rein.-con. flooring, concrete foundation, on Kostner Ave. and Taylor St., for Adams & Elting Co., 716 West Washington St. About $100,000. Noted Sept. 4.

*Wis., Alma—Alma Dry Milk Co. let contract building 3 story, 62 x 78 ft. concrete and tile factory, to Federal Eng. Corp., Plymouth Bldg., Minneapolis, Minn.

*Wis., Edgerton—Highway Trailer Co. will build 1 story, 200 x 510 ft. brick and mill construction factory, concrete foundation. About $75,000. Work will be done by day labor.

*Wis., Ft. Atkinson—James Mfg. Co. let contract building 1 story, 400 x 600 ft. brick and steel factory, concrete foundation, to A. W. Stoolman, Woman's Residence Hall, U. of I., Champaign, Ill. About $375,000.

*Wis., La Crosse—La Crosse Clothing Co., 2nd and State Sts., let contract building 2 story, 150 x 150 ft. rein.-con. and brick factory, laminated flooring, concrete foundation, on 4th and Vine Sts., to F. Schwalbe & Sons, La Crosse. About $100,000, cost plus percentage basis.

*Wis., Madison—Burgess Battery Co., 1015 East Washington Ave., let general contract building 2 and 3 story, brick, rein.-con. and steel factory, to Worden-Allen Co., Port Washington Rd., Milwaukee. About $200,000.

*Wis., Madison—Fuller & Johnson Co., 1342 East Washington Ave., let contract building 162 x 200 ft. factory, on Dickinson St. and West Washington Ave., to Worden-Allen Co., 208 South La Salle St., Chicago. About $78,000.

*Wis., Marshfield—Carpenter & Weldon, archts., 30 North La Salle St., Chicago, let general cnotract to Appleton Constr. Co., Odd Fellows Bldg., Appleton, building 3 story, 42 x 120 ft. brick, rein.-con. and steel warehouse, for S. Miller Fruit Co. About $80,000. Noted July 31.

*Wis., Milwaukee—Amer. Radiator Co., 820 South Michigan Ave., Chicago, let contract building 1 story, 84 x 190 ft. brick and steel warehouse, rein.-con. flooring, concrete foundation, to H. Schmitt & Son, 430 Farwell Ave. About $60,000.

*Wis., Milwaukee—Chain Belt Co., 736 Park St., let contract building 1 story, 150 x 316 ft. brick and steel foundry, concrete foundation on 39th Ave. and Orchard St., to S. M. Siesee, 86 Michigan St. About $200,000.

*Wis., Milwaukee—W. Frankfurth Hardware Co., 119 West Water St., let contract building 7 story, 50 x 150 ft. brick and mill construction addition to warehouse, concrete foundation, on West Water St., to H. Schmitt & Son, 430 Farwell Ave. About $100,000

*Wis., Milwaukee—Gridley Dairy Co., 138-8th St., let contract building 3 story, 77 x 150 ft. rein.-con. and brick garage and repair shop, rein.-con. flooring, concrete foundation, at 822 Sycamore St., to Dahlman Constr. Co., 912 Majestic Bldg. About $100,000.

*Wis., Milwaukee—Hummel & Downing Co., North Cambridge Ave., let contract building 7 story, 100 x 120 ft. rein.-con. and brick warehouse, rein.-con. flooring, concrete foundation, to Hansen Constr. Co., 425 East Water St. About $300,000.

*Wis., Milwaukee—R. A. Johnston Co., 270 Florida St., let contract building 1, 2 and 3 story, 120 x 185 ft. rein.-con. and brick power house and garage, concrete foundation, on 34th St. and National Ave., to P. Riesen's Sons, 1018 Humboldt Ave. About $90,000.

*Wis., Milwaukee—Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., let contract building 1 story, 85 x 200 ft. brick and steel addition to car barn, rein.-con. flooring, concrete foundation, on 22nd and Natl. Aves., to Klug & Smith Co., Mack Blk. About $50,000; cost plus percentage basis.

*Wis., Milwaukee—Nunn, Bush & Weldon Shoe Co., 1110-5th St., let contract building 4 story, 63 x 150 ft. brick and mill construction warehouse, concrete foundation, on 4th and Hadley Sts., to E. Steigerwald & Sons Co., 2303 Galena St. About $50,000

*Wis., Milwaukee—Pabst Brewing Co., 9th and Chestnut Sts., let contracts to L. J. Voell, 504-40th St., constructing 5 story, 85 x 210 ft. rein.-con. and brick factory, rein.-con. flooring, cost $125,000, Everwear Hosiery Co., 172-5th St., lessee;

Industrial Work (Continued)

6 story, 80 x 207 ft. rein.-con. and brick factory, $175,000. Great Western Knitting Co., 110 Buffalo St., lessee.

*Wis., Milwaukee—Stratton - Ladish Milling Co., South Bay St., let contract building 4 story, 90 x 135 ft. brick and mill construction warehouse, concrete foundation, to Klug & Smith Co., 40 Mack Blk. About $100,000.

*Wis., Racine—J. I. Case Threshing Machine Co., State St., let contracts to Nelson & Co., Robinson Blk., constructing 130 x 130 ft. testing plant, 142 x 164 ft. painting building and 200 x 308 ft. assembling plant, all 1 story, brick and steel, concrete foundations, $100,000, $125,000 and $200,000 respectively.

*Wis., St. Francis, (Milwaukee, P. O.)—Nash Motors Co., Kenosha, let contract building 1 story, 50 x 100 ft. brick and steel power house, concrete foundation, to Northwestern Bride & Iron Co., 32nd and Hopkins Sts., Milwaukee. About $75,000. Noted Nov. 6.

*Minn., Bemidji—Koors Bros., 101 Minnesota Ave., Minneapolis, let contract building 3 story, 50 x 80 ft., ice cream and butter factory, to Jackson-Winklesky Constr. Co., Bemidji. About $52,000.

*Minn., Fairmont—City let contract building 1 story, 83 x 83 ft., electric power house, to Clifford & Gould, Fairmont, $58,000; complete equipment, to J. G. Robertson, 2528 University Ave., St. Paul, $150,135.

*Minn., Minneapolis—Wallis Coach & Carriage Co., 12 East Grant St., let contract building 4 story, 84 x 155 ft., rein.-con. and brick factory, on University and Bedfor Aves., to Foley Bros., Gilfillan Bldg., St. Paul. About $100,000, cost plus percentage. Noted Oct. 30.

*Minn., St. Paul—St. Paul Welding Co., 173 West 3rd St., let general contract building welding shop, 2 story, 36 x 75 ft., brick and concrete, to Lauer Bros., Chestnut St. About $115,000. Noted Aug. 28.

*Mo., Joplin—Sorber-Kuhn Auto Supply Co., 512 Joplin St., let contract building 2 story, 85 x 120 ft., rein.-con., steel and brick garage and salesroom, rein.-con. flooring, concrete foundation, to Stroup & Wooten, Joplin. About $60,000.

*Mo., St. Joseph—Cleveland-Akron Bag Co., East 40th St. and Perkins Ave., Cleveland, let contract building 3 story, 280 x 300 ft., rein.-con., steel and brick factory, rein.-con flooring, rock foundation, on 11th and Sacramento Sts., here, to Lehr Constr. Co., 1712 Frederick Ave., St. Joseph. About $300,000, cost plus percentage basis.

*Mo., St. Louis—Certainteed Products Corp., Boatmen's Bank Bldg., let contract constructing 6 story, 80 x 165 ft., concrete and brick factory, rein.-con. flooring, rock foundation, on Union Ave., to Murch Bros., Ry. Exch. Bldg. About $80,000. Noted Sept. 18.

*Mo., St. Louis—Laclede Real Estate & Investment Co., 100 South Main St., let contract constructing 7 story, 125 x 160 ft., rein.-con., steel and brick warehouse, mercantile and office building, rein.-con. flooring, rock foundation, at 8 South 4th St., to J. A. Godfrey Co., 705 Chestnut St. About $500,000.

*Mo., St. Louis—H. P. Mueller, 215 Lombard St., let contract building 1 and 2 story, 125 x 289 ft., steel and brick foundry, rock foundation, at 4471-99 Fyler St., to Hartman & Schuermann, Odd Fellows Bldg. About $55,000.

*Mo., St. Louis—St. Louis Brass Mfg. Co., Jefferson and Washington Aves., let contract building 5 story, 80 x 110 ft., concrete, steel and brick factory, rein.-con. flooring, rock foundation, at 2600 Washington Ave., to J. Black Constr. Co., Wright Bldg. About $500,000. Noted Sept. 4.

*Mo., St. Louis—Scullin Steel Co., 6700 Manchester Ave., let contract building 3 rolling mills, 1 story, rein.-con., steel and brick, rein.-con flooring, concrete foundation, on Manchester Ave., to Fruin-Colnon Constr. Co., Merchants Laclede Bldg About $200,000. Noted Aug. 28.

*Mo., St. Louis—J. D. Street Oil Co., 809 South 2nd St., let contract building 2 story, 80 x 105 ft., concrete and brick warehouse and office, rein.-con. flooring, rock foundation, at 4055 Park Ave., to Fruin-Colnon Constr. Co., Merchants Laclede Bldg. About $28,000.

*Mo., St. Louis—Vailer & Spies Milling Co., Pierce Bldg., let contract building 3 story, 60 x 150 ft. flour mill, rein.-con. and steel, rein.-con. flooring, concrete foundation, on South Bway., to Fruin-Colnon Constr. Co., Laclede Bldg. About $100,000.

*Tex., Austin—Covert Automobile Co., 610 Colorado St., let contract building 2 story, 53 x 128 ft. brick, rein.-con. and steel garage, rein.-con. flooring, to Walsh & Burney, Littlefield Bldg., $38,390.

*Tex., Houston—Houston Light & Power Co., Capitol Ave. and San Jacinto St., let contract building 1 story, 20,000 K.W. addition to plant, to Horton & Horton, McKinney and Velasco Sts. About $500,000, cost plus percentage basis.

*Okla., Sapulpa—Gantz Tank Co., 122 North Mounds St., will build 1 story, 100 x 208 ft. brick and steel shop, concrete foundation. About $60,000. Work will be done by day labor.

Buildings

PROPOSED WORK

Mass., Lowell—Auditorium—City rejected bid building 1 story, brick, stone, concrete, marble and steel, memorial auditorium, rein.-con. flooring, brick, concrete and rock foundation, on East Merrimack and Brown Sts. About $1,000,000. Work will be readvertised. Blackall, Clapp & Whittemore, 20 Beacon St., Boston, archts. Noted May 8

Mass., Peabody—High School—City having plans prepared by F. J. Cooper Corp., archts., 33 Cornhill St., Boston, for 2 story, brick and steel, on Central St. About $150,000.

Mass., Wakefield—High School—Town plans to build 3 story, brick and steel, rein.-con. flooring, concrete foundation. About $450,000. Architect not selected.

Mass., Worcester—Hospital — Trustees St. Vincents Hospital, 73 Vernon St., soon receive bids building 4 story, 50 x 120 ft. with 46 x 60 ft. wing, brick, concrete foundation. About $200,000. J. W. Donohue, 40 Walker Bldg., Springfield, archt. Engineer not selected.

Mass., Worcester—Sales, etc.—Livingstone Motor Co., 109 Grafton St., had plans prepared for 3 story, 80 x 250 ft., auto sales, service and assembly plant, brick and concrete, concrete flooring, on Shrewsbury St. About $150,000. Private plans.

Conn., Bridgeport—Club—Amer. Legion, Bridgeport Post, 317 Golden Hill St., had plans prepared by C. W. Walker, Jr., archt., 886 Main St., for remodeling and building 3 story, brick and steel addition, concrete foundation, to include gymnasium, swimming pool, assembly hall, dining room and billiard hall. About $50,000.

Conn. Bristol—High School—Bd. Educ. plans to build brick, concrete and steel, on Dunbars Meadows. About $250,000. W. Potter, 22 East 17th St., New York City, archt.

N. Y., Niagara Falls—Office, etc.—Republic Carbon Co., Sugar and College Aves., receives bids about Nov. 14, building 2 story, 60 x 100 ft. brick and rein.-con. office and wash room, rein.-con. flooring, concrete foundation. About $60,000. A. W. Hoffman, Berlin Arcade, Milwaukee, Wis., archt and engr.

N. J., Asbury Park—Store—W. Steinbach, Cookman and Bangs Aves., having plan prepared by R. N. Cleverdon, archt., 101 Park Ave., New York City, for 1 story, brick and steel addition to store. About $100,000. E. D. Litchfield, 477-5th Ave., New York City, engr.

N. J., Jersey City—Bank and Office—First Natl. Bank having plans prepared by A. C. Bossom, archt. and engr., 366-5th Ave., New York City, for 10 story, brick and steel, brick foundation, on Exch. Pl. About $1,000,000.

N. J., Jersey City—Office—P. J. McNulty, owner McNulty's Hotel, plans to build 10 story, on Washington and Montgomery Sts. About $1,500,000.

N. J., Pennsgrove—School and Rectory—G. I. Lovatt, archt., 418 Walnut St., Phila., soon lets contract building 2 story, 56 x 120 ft. school and 29 x 60 ft. rectory, brick and stone, on State and Beach Sts., for St. James Church, here. Cost to exceed $50,000.

N. J., Plainfield—Y. M. C. A., 2 West 45th St., New York City, having plans prepared by Jallader & Lindsey, archts. and engrs., 37 Liberty St., New York City, for 3 story brick, steel and stone, brick foundation. About $200,000.

N. J., Trenton—School—Bd. Educ., Hamilton Twp., plans to build 2 story, 36 x 105 ft., brick addition to Rowan School on South Broad St. About $60,000. W. A. Klemann, 1st Natl. Bank Bldg., archt.

Pa., Sunbury — Housing — Pontius & Guyer having surveys made by W. Mann, engr., Sunbury, for development of 240 acre town and factory site on Packers Island. Work involves construction of residences and boulevards. About $150,000.

Del., Middletown—School—Bd. Educ. having plans prepared by W. E. Hance, archt., 1619 Chestnut St., Phila., for 2 story school. About $100,000.

Del., Wilmington — Church — McCabe Memorial Church having plans prepared by W. E. Hance, archt., 1619 Chestnut St., Phila., for 1 story, 56 x 75 ft., terra cotta. Cost to exceed $50,000.

O., Columbus—Sales—Ohio Auto Sales Co., 772 North High St., having plans prepared by G. R. Bassett, archt., Central Natl. Bank Bldg., for 4 story, 62 x 187 1-2 ft., rein.-con. and brick, on East Broad St. About $125,000.

Mich., Amasa—School—Bd. Educ. soon lets contract building 3 story, 80 x 162 ft. rein.-con. and brick, concrete foundation. About $125,000. J. F. Thompson, secy. F. E. Parmalee, Iron Mountain, archt.

Mich., Ann Arbor—Hospital—Bd. Regents, University of Michigan, rejected bids received Oct. 27 building hospital, here. Work will be readvertised. Noted Oct. 23.

Mich., Detroit — Auditorium — J. R. Thompson Auto Co., Woodward Ave., having plans prepared by A. Kahn, archt., Marquette Bldg., for 2 story, 400 x 700 ft., rein.-con. and steel, commercial auditorium, rein.-con. flooring, concrete foundation, on Woodward and Cass Aves. About $2,500,000.

Mich., Detroit—Art Museum—City Art Comn., c-o A. Kahn, Marquette Bldg., having tentative plan prepared by P. C. Cret, archt., University of Pennsylvania, for brick and steel and stone, on Woodward Ave. About $500,000.

Mich., Detroit—Church—North Woodward Methodist Episcopal Church, c-o W. E. N. Hunter, archt., 1306 Chamber Commerce, soon lets contract building 2 story, 180 x 180 ft. brick, steel and stone, concrete foundation, on Woodward and Marston Aves. About $750,000. Noted May 8.

Mich., Detroit—Commercial—Goodyear Tire & Rubber Co., Jefferson Ave., plans to construct 200 x 380 ft., on East Grand Blvd., and Michigan Central Ry. Architect not selected.

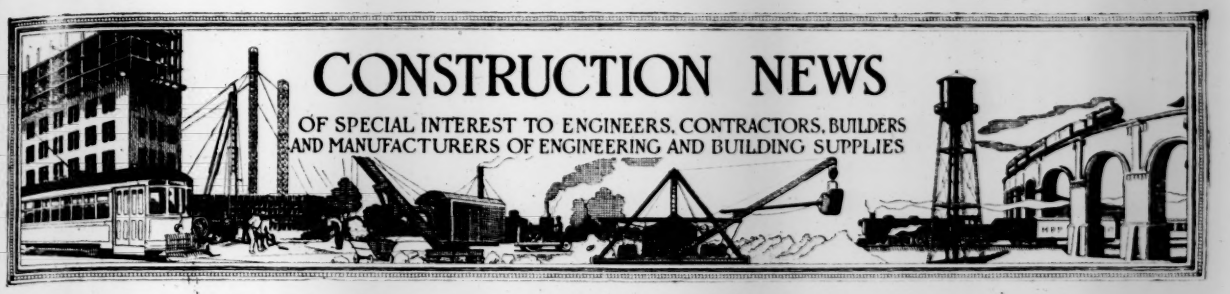
Mich., Detroit—Hospital—Bd. Health plans to build 4 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Kiefer Hospital grounds, Hamilton Blvd. and Blaine Ave. About $350,000.

Mich., Detroit—Hotel—M. Kunstler, 394 Virginia Park, having plans prepared by A. D. Shank, archt., 38 South Dearborn St., Chicago, for 4 story, 50 x 90 ft., rein.-con., brick and steel, concrete foundation, on Adams Ave., E. About $150,000.

Mich., Detroit—Office—N. C. Sorensen, archt., 500 Congress Bldg., preparing plans for 4 story, 35 x 150 ft., rein.-con. brick and steel, rein.-con. flooring, concrete foundation, on Woodward Ave. near Watson St. About $100,000. Owner's name withheld.

Mich., Detroit—Sales and Service—M. A. Young, 754 Woodward Ave., plans to build 3 story, 60 x 200 ft., rein.-con. and steel, rein.-con. flooring, concrete foundation, on Woodward Ave. and Brady St. About $100,000. Architect not selected.

Mich., Detroit—School Bd. Educ., 50 Bway. Ave., had plans prepared by Malcolmson & Higginbotham, archts., 405 Moffat Bldg., for 2 story, 150 x 211 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Northfield and Maplewood Aves.



CONSTRUCTION NEWS

OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Price advances are indicated by **heavy type**; declines by *italics*.

PIG IRON—

	Current	One Month Ago
CINCINNATI		
No. 2 Southern	**$36.60**	**$30.35**
Northern Basic	27.55	27.55
Southern Ohio No. 2	**31.10**	28.55
NEW YORK, tidewater delivery		
2X Virginia (silicon 2.25 to 2.75)	32.40	32.40
Southern No. 2 (silicon 2.25 to 2.75)	35.20	35.20
BIRMINGHAM		
No. 2 Foundry	**29.10**	27.75
PHILADELPHIA		
Eastern Pa.	*29–30**	30.65
Virginia No. 2	*33.10†*	32.10–34.10
Basic	*26.75**	30.90
Grey Forge	*26.25**	29.90
CHICAGO		
No. 2 Foundry Local	**26.75**	26.75
No. 2 Foundry Southern	**33.60**	28.00
PITTSBURGH, including freight charge from the Valley		
No. 2 Foundry Valley	28.15	28.15
Basic	27.15	27.15
Bessemer	29.35	29.35

All Prices Are of October 1

* F. o. b. furnace. † Delivered.

RAILWAY SUPPLIES

STEEL RAILS—The following quotations are per ton f. o. b. Pittsburgh and Chicago for carload or larger lots. For less than carload lots 5c. per 100 lb. is charged extra:

	Pittsburgh		Chicago	
	Current	One Year Ago	Current	One Year Ago
Standard bessemer rails	$45.00	$55.00	**$45.00**	$65.00
Standard openhearth rails	47.00	57.00	**47.00**	67.00
Light rails, 8 to 10 lb.	2.58½*	3.13	*2.585**	3.13
Light rails, 12 to 14 lb.	2.54*	3.09	*2.54**	3.09
Light rails, 25 to 45 lb.	2.45*	3.00	*2.45**	3.00

*Per 100 lb.

TRACK SUPPLIES—The following prices are base per 100 lb. f.o.b. Pittsburgh for carload lots, together with the warehouse prices at the places named:

	Pittsburgh				San
	Current	One Year Ago	Chicago	St. Louis	Francisco
Standard spikes, ⅝-in. and larger	$3.35	$3.90	**$4.27**	**$4.44**	$5.65
Track bolts	4.35	4.90	5.17	Premium	6.65
Standard section angle bars	3.00	....	4.22	Premium	4.60

RAILWAY TIES—For fair-sized orders, the following prices per tie hold:

		7 In. x 9 In. by 8 Ft. 6 In.	6 In. x 8 In by 8 Ft.
Chicago	Plain	**$1.48**	**$1.33**
San Francisco	Douglas Fir—Green	1.42	1.00
San Francisco	Douglas Fir—Creosoted	2.12	2.00

Prices per tie at Missouri mills; St. Louis prices about 25c. higher:

Untreated A Grade White Oak 6x8x8		Untreated A Grade Red Oak 6x8x8	
No. 1	$0.70	No. 1	$0.55
No. 2	.80	No. 2	.65
No. 3	.90	No. 3	.75
No. 4	.98		
7x9x8 white oak			1.05
7x9x8 red oak (No. 4)	$0.80	No. 5	.87

Note.—Add 36c. each for treatment.

PIPE

STEEL—From warehouses at the places named the following discounts hold for steel pipe:

	Black		
	New York	Chicago	St. Louis
¼ to 3 in. butt welded	47%	57.5%	45%
2½ to 6 in. lap welded	42%	53.5%	41½%

	Galvanized		
	New York	Chicago	St. Louis
¼ to 3 in. butt welded	31%	44%	30½%
2½ to 6 in. lap welded	27%	41%	27½%

Malleable fittings, Class B and C, from New York stock sell at +12½% list prices. Cast iron, standard sizes, 10% off.

CAST-IRON PIPE—The following are prices per net ton for carload lots:

	New York						
	Current	One Month Ago	One Year Ago	Chicago	St. Louis	San Francisco	Dallas
4 in.	$57.30	$55.30	$64.75	$58.80	$52.00	$77.55	$65.00
6 in. and over	54.30	52.30	61.75	55.80	49.00	74.55	62.00

Gas pipe and 16-ft. lengths are $1 per ton extra.

PIPE—The following discounts are for carload lots f.o.b. Pittsburgh basing card of National Tube Co. for steel pipe, Cardry A. M. Byer's Co. for iron, both dated Mar. 21, 1919.

BUTT WELD

Steel Inches	Black	Galvanized	Iron Inches	Black	Galvanized
⅛, ¼ and ⅜	50½%	24%	⅜ to 1½	39½%	23½%
½	54½%	40%			
¾ to 3	57½%	44%			

LAP WELD

2	50½%	35%	2	32½%	18½%
2½ to 6	53½%	41%	2½ to 6	34½%	21½%

BUTT WELD, EXTRA STRONG PLAIN ENDS

⅛, ¼ and ⅜	46½%	29%	½ to 1½	39½%	24½%
½	51½%	39%			
¾ to 1½	55½%	43%			

LAP WELD, EXTRA STRONG PLAIN ENDS

2	48½%	37%	2	33½%	20½%
2½ to 4	51½%	40%	2½ to 4	35½%	23½%
4½ to 6	50½%	39%	4½ to 6	34½%	22½%

Malleable fittings, Class B and C, banded from New York stock sell at list 2% off. Cast iron, standard sizes, 20% off.

CLAY DRAIN TILE—The following prices are per 1000 lin.ft.:

	New York				San	
Size, In.	Current	One Year Ago	St. Louis	Chicago	Francisco	Dallas
3	$35.00	$35.00	$22.50	**$50.00**		$33.44
4	51.00	51.00	27.00	**60.00**	$45.00	50.16
5	65.00	65.00	45.00	**70.00**	65.00	62.70
6	90.00	90.00	55.00	**80.00**	90.00	83.60
8	130.00	130.00	100.00	**120.00**	150.00	133.76

SEWER PIPE—The following prices are in cents per foot for carload lots:

	New York				San	
Size, In.	Current	One Year Ago	St. Louis	Chicago	Francisco	Dallas
3	**$0.102**	$0.117	....	**$0.105**	....	$0.132
4	**.102**	.117	....	**.105**	$0.15	.132
5	**.153**	.1755	....	**.1575**	.1875	.207
6	**.153**	.1755	$0.16	**.1575**	.225	.207
8	**.238**	.273	.21	**.245**	.3475	.2875
10	**.357**	.4095	.29	**.3675**	.45	.4025
12	**.459**	.5265	.37	**.4725**	.60	.5175
15	**.612**	.702	.56	**.63**	.9375	.7475
18	**.85**	.975	.91	**1.00**	1.275	.9775
20	**1.02**	1.17	1.14	**1.20**	1.71	1.15
22	**1.36**	1.56	1.46	**1.60**	....	1.495
24	**1.53**	1.755	1.56	**1.80**	2.125	1.725
27	**2.45**	2.60	1.90	**2.75**	....	2.5875
30	**2.664**	2.88	2.57	**3.45**	....	3.1625
33	**3.51**	3.78	3.09	**4.00**	....	4.025
36	**3.9975**	4.305	3.37	**4.35**	....	4.60

	3	5	8	12	24	36
Boston	$0.078	$0.117	$0.182	$0.351	$1.17	$3.28
St. Paul	.12	.18	.28	.45	2.00	4.75
Denver	.105	.16	.25	.425	1.575	....
Seattle	....	....	.36	.64	2.25	....
Kansas City	.12	.18	.25	.50	1.80	4.60
Los Angeles	.09†	.15†	.2475	.44	1.50†	....
New Orleans			40 per cent. off			
Cincinnati	.08	.1215	.189	.3645	1.215	3.1775
Atlanta	....	....	.34	.55	2.00	....
Montreal			55–60 per cent. off			
Detroit	.0885	.133	.2065	.398	1.44	3.536
Baltimore	.114	.171	.266	.513	1.71	....

†4-in., 6-in., 30-in. respectively.

ROAD AND PAVING MATERIALS

ROAD OILS—Following are prices per gallon in tank cars 8000 gal. minimum f.o.b. place named:

	Current	One MonthAgo
New York, 45-65% asphalt	$0.04½	$0.04½
New York, liquid asphalt	.06	.06
New York, binder	.06½	.06½
New York, flux	.04½	.04½
St. Louis, 40% asphalt	.04½2	.04½2
Chicago, 15-20% asphalt	.10	.10
Chicago, 100% dust layer	.11	.11
Dallas, 40-50% asphalt	.07	.07
Dallas, 60-70% asphalt	.08	.08
Dallas, 75-90% asphalt	.10	.10
San Francisco, 75-95% asphalt, per bbl.	2.10	2.10

ASPHALTUM—Price per ton in packages and bulk in carload lots:

	Brand	Package	Bulk
New York	Texaco	$18.00	$14.00
Chicago	Mexican	33.00	31.00
San Francisco	California	17.00	13.75
Dallas	Texaco and Mexican	32.00	30.00
Seattle	D grade	23.50	.....
Denver	Trinidad	45.00	.....
Denver	California	38.00	.....
St. Paul	Mexican	21.00	.....
Kansas City	Mexican	26.00	24.00
Atlanta	Standard	24.00	19.80
New Orleans	.....	16.50	.....
St. Louis	Stanolind	24.90	18.40
Detroit	Bermudez	49.40	.....
Baltimore	Manco	43.00	.....
Los Angles	D Grade	.....	13.50
Montreal	.....	.....	18.90

PAVING STONE—

Chicago	About 4x8x4 dressed	$2.45	sq.yd.
	About 4x8x4 common	2.20	sq.yd.
San Francisco	Basalt block 4x7x8	57.75	per M
Kansas City	Granite	3.00	sq.yd.
Boston	5-in. granite	110.00	per M
St. Paul	Sandstone	2.45	sq.yd.
Atlanta	Granite	1.85	sq.yd.
Detroit	Granite, small	2.75	sq.yd.
Baltimore	Common	2.25	sq.yd.
Montreal	Granite	5.90	sq.yd.

FLAGGING—

New York	Bronx	$0.21	sq.ft.
	Manhattan	.22	sq.ft.
	Queens, 5 ft. square	.23	sq.ft.
	5x20-in. cross-walk	.75	lin.ft.
Chicago	18 in. wide	.70	lin.ft.

WOOD BLOCK PAVING—

	Size of Block	Treatment	Per Sq.Yd.
New York	3½	16	$3.25
New York	4	16	3.50
Chicago	4	16	4.50
Chicago	3½	16	3.50
Chicago	City specifications		5.00
St. Louis	3½	16	2.45
St. Louis	4	16	2.70
Seattle	4	16	2.55
Kansas City	4	16	3.00
St. Paul	3½	16	*2.13*
Atlanta	3½	16	2.25
New Orleans	3½	16	2.63
New Orleans	4	16	3.00
Dallas	3½	18	3.17
Dallas	4	18	3.56
Baltimore	3½	16	3.60
Montreal	4	16	4.65

CONSTRUCTION MATERIALS

SAND AND GRAVEL—Price for cargo or carload lots is as follows, per cu.yd.:

	Gravel 1½ In.		Gravel ¾ In.		Sand	
	Current	One Yr. Ago	Current	One Yr. Ago	Current	One Yr. Ago
New York	$2.00	$2.00	$2.00	$2.00	$1.25	$1.25
Denver	1.60	1.60	1.60	1.40	1.25	1.10
Chicago	1.35	2.00	1.35	1.40	1.35	1.95
Kansas City	2.50	2.15	3.00	2.60	1.00†	1.00
St. Louis*	1.78	1.35	1.82	1.35	1.68	1.45
Seattle	*1.20*	1.25	1.25	1.25	*1.05‡*	1.25
Dallas	3.00	2.00	3.00	2.00	2.50	1.40
St. Paul	1.25	1.25	1.35	1.50	.60	.60
San Francisco	1.15	1.20	1.15	1.20	1.15	1.20
Boston	1.60	2.00	1.60	1.75–2	1.00	1.00
New Orleans	2.40	2.27	2.40	1.80	1.20	2.25
Atlanta	2.00‡	.....	.....	.....	1.10‡	.....
Detroit	2.00	.....	2.00	.....	2.00	.....
Paltimore	1.54	.....	1.75	.....	.65	.....
Montreal	1.20‡	.....	.....	.....	1.10‡	.....

*Fine white sand, Pacific and Ottawa per ton, $6. †Kaw River sand is $1.50 per yd. ‡ per ton.

CRUSHED STONE—Price for cargo or carload lots is as follows, per cu.yd.:

	1½ In.		¾ In.	
	Current	One Year Ago	Current	One Year Ago
New York	$1.65-1.75	$1.70	$1.75-1.85	$1.85
Chicago	1.30	1.60	1.30	1.70
St. Louis	1.50	1.08	1.50	1.08
Dallas	2.90	1.51	2.80	1.55
San Francisco	1.50	1.20	1.50	1.20
Boston	*2.75**(del)	1.75	*2.75**(del)	1.75
St. Paul (lime)	1.15†	1.15	1.25	1.45
Denver	.....	1.60	1.60	1.40
Kansas City	2.00	1.70	2.10	1.70
Seattle	1.50	1.20	1.50	1.20
Atlanta	2.25	3.36	2.35*	.....
New Orleans	4.00	.....	4.35	2.28
Los Angeles	1.20	1.50	1.20	1.60
Detroit	2.00	.....	2.00	.....
Baltimore	1.25	.....	1.50	.....
Montreal	1.90*	.....	2.15*	.....

*Per ton. †Limestone: traprock, $1.60 and $1.80 per ton for 1½ and ¾-in.

LIME—Warehouse prices:

	Hydrated per Ton		Lump per 200-Lb. Barrel	
	Finished	Common	Finished	Common
New York	$17.50	$14.50	$2.90*	$2.65*
Kansas City	23.20	21.00	2.30	2.20
Chicago	18.00	17.50	1.80	1.10
St. Louis	22.00	18.00	.....	2.00
Boston	*22.00*	18.25	*3.70**	3.40*
Dallas	30.00	.....	2.75	.....
Cincinnati	13.70	11.95	*10.70‡*	.....
San Francisco	30.00	.....	2.80†	.....
St. Paul	23.00	20.00	1.60	1.50
New Orleans	.....	17.50	.....	2.20
Atlanta	.....	.....	1.80	1.95
Detroit	*18.00*	*16.65*	3.00*	3.00*
Seattle	30.00	.....	3.05†	2.80†
Los Angeles	.....	.....	3.05†	2.80†
Baltimore	19.25	16.75	.....	11.37‡
Montreal	20.00	20.00	15.00‡	15.00‡
Denver	.....	26.25	.....	2.50

* 300-lb. barrels. †Per 180-lb. barrel. ‡ Per ton.
NOTE—Refund of 10c. per barrel.

NATURAL CEMENT—Price to dealers for 500 bbl. or over, f.o.b., exclusive of bags:

St. Paul (Austin)	$1.45
Kansas City (Ft. Scott)	1.40
New Orleans	2.52
Atlanta (Magnolin)	1.85
Cincinnati (Louisville)	1.35

PORTLAND CEMENT—Current prices are for barrels in carload lots, without bags, to contractors:

	Current	One Month Ago Without Bags	One Year Ago With Bags
New York	$2.30	$2.30	$3.35
Jersey City	2.27	2.27	2.99
Boston	2.42	2.42	3.50
Chicago	2.00	2.00	2.45
Pittsburgh	2.05	2.05	2.55
Cleveland	2.32	2.32	2.72
Detroit	2.08	2.08	2.68
Indianapolis	2.27	2.27	2.62
Toledo	2.12	2.12	2.62
Milwaukee	2.11	2.11	2.56
Duluth	2.10	2.10	2.60
Peoria	2.12	2.12	2.56
Cedar Rapids	2.18	2.18	2.68
Davenport	2.14	2.14	2.64
St. Louis	2.20	2.20	2.70
San Francisco	2.43	2.43	3.48
New Orleans	2.36	2.36	3.66
St. Paul	2.22	2.20	3.40
Denver	2.67	2.67	3.67
Kansas City	2.26	2.26	3.40
Seattle	2.53	2.53	3.33
Dallas	2.03	2.03	2.80
Atlanta	2.50	2.50	.....
Cincinnati	2.30	2.30	2.80
Los Angeles	2.78	2.78	3.38
Baltimore	2.30	.....	.....
Detroit	2.08	.....	.....
Montreal	2.70	.....	.....

NOTE—Bag charge is generally 15c. each.

TRIANGLE MESH—Price per 100 sq.ft. in carload lots:

PLAIN 4-INCH x 4-INCH MESH

Style Number	Sectional Area Square Inches per Ft.	Width	Pittsburgh	New York	Chicago	St. Louis	Dallas	San Francisco
032	0.032	$0.92		$1.16	$0.98	$0.99	$1.13	$1.32
049	0.049	1.18		1.48	1.26	1.26	1.43	1.67
068	0.068	1.44		1.86	1.53	1.56	1.79	2.06
093	0.093	1.85		2.39	1.97	2.00	2.41	2.65
126	0.126	2.28		3.02	2.43	2.47	2.92	3.28
153	0.153	2.72		3.59	2.90	2.95	3.48	3.93
180	0.180	3.12		4.13	3.33	3.39	3.99	.....
245	0.245	4.12		5.44	4.40	4.47	5.27	.....
287	0.287	4.76		6.29	5.08	5.16	6.10	6.86
336	0.336	5.52		7.30	5.89	5.99	7.06	.....
395	0.395	6.40		8.45	6.83	6.94	8.19	.....

PAVING

036P	0.036	$0.71	$0.92	$0.76	$1.77	$0.80	.....
053P	0.053	1.00	1.28	1.06	1.08	1.12	.....
072P	0.072	1.26	1.66	1.34	1.37	1.46	.....
097P	0.097	1.62	2.12	1.73	1.76	1.88	.....
049R	0.049	1.00	1.28	1.06	1.08	1.12	.....
067R	0.067	1.26	1.65	1.4	1.37	1.46	.....
089R	0.089	1.62	3.11	1.73	1.76	1.88	.....

Made in 16-, 20-, 24-, 28-, 32-, 36-, 40-, 44-, 48-, 52- and 56-in. width in rolls 150-, 200- and 300-ft. lengths. Galvanized is about 10% higher.

EXPANDED METAL LATH—Prices in carload lots per 100 yd. for painted are as follows:

Gage	Weight	New York Current	New York One Year Ago	Chicago	St. Louis	San Francisco	Dallas
27	233	$29.10	$34.07	$29.00	$29.00	$34.00	$32.75
26	250	30.45	35.23	30.50	30.00	35.00	34.50
25	300	31.90	36.51	32.00	.....	37.00	36.75
24	340	33.50	37.73	33.00	33.00	40.25	39.25
22	450	36.60	40.48	.....	.....	.....	43.30

About 10% additional for smaller quantities.

BARS, CONCRETE REINFORCING—Following quotations are per 100 lb.:

ROLLED FROM BILLETS

In.	Mill Pittsburgh	New York Current	New York One Year Ago	Chicago Warehouse, Uncut	St. Louis	Dallas	San Francisco
¾ and larger	$2.35	$3.37	$4.14½	$3.32	$3.68	$4.75	$4.60
⅝	2.40	3.42	4.19½	3.42	3.74	4.80	4.65
½	2.45	3.47	4.24½	3.47	3.79	4.95	4.70
⅜	2.60	3.62	4.39½	3.62	4.04	5.00	4.85
¼	2.85	3.87	4.64½	4.87	4.19	5.05	5.10

Twisted bars cut to length take extra of 27½c. per 100 lb. Extra on deformed bars, uncut, 7½c.

ROLLED FROM RAILS

	Chicago	St. Louis	Dallas		Chicago	St. Louis	Dallas
¾ in. and larger	$3.45	$3.55	$4.25	⅝	$3.70	$3.80	
⅝	3.50	3.60	4.30	½	3.95	.....	
½	3.55	3.65	.....				

BRICK—To contractors price per 1000 in cargo or carload lots is as follows:

	Common Current	Common One Month Ago	Common One Year Ago	Paving Brick	Paving Block
New York	$15.00	$15.00	$14.00	No Quotations	
Chicago	12.00	12.00	11.00	.....	.....
St. Louis, selected	18.00*	16.00	16.00	$26.00	.....
St. Louis, salmon	12.00	10.00	10.00	.....	38.00
Denver	14.00†	13.00	9.50	.....	.....
Dallas	18.57	18.00	14.00	27.30	.....
San Francisco	12.50	12.50	12.00	.....	.....
Boston	18.00	18.00	16.25	30.00	45.50
New Orleans	19.00	17.50	19.00	19.00	.....
St. Paul	14.50	13.00	9.75	30.00	36.50
Kansas City	16.00	15.00	13.00	42.50	.....
Seattle	15.00	15.00	15.00	.....	42.00
Cincinnati	17.00	16.00	16.50	.....	.....
Atlanta	16.00	15.00	.....	40.00	.....
Los Angeles	12.50	12.50	10.00	.....	.....
Montreal	15.00	15.00	.....	*80.00*	.....
Detroit	*17.25*	19.00	.....	37.00	.....
Paltimore (del)	18.00	18.00	.....	22.00	42.50

* Hard brick, $14 † Salmon is $13 in Denver.

HOLLOW TILE—Price per block in carload lots for hollow building tile:

	New York Current	New York One Year Ago	Chicago	St. Louis	San Francisco	Dallas	Factory Perth Amboy, N. J.
4x12x12	$0.11475*	$0.10125	$0.09	$0.08	$0.1125	$0.1088	...
6x12x12	.153*	.13500	.1268*	.105	.15	.09	$0.1512
8x12x12	.204*	.....	.183	.15	.....	.115	.1944
10x12x12	.....	.....	.24	.173	.....	.2546	.2268
12x12x12	.....	.....	.208	.208	.....	.3082	.2916

*Delivered below 72nd St.

	4x12x12	8x12x12	12x12x12
Boston	$0.15	$0.24	$0.32
St. Paul	.065	.135	.185
Cincinnati	.08	.15	.215
Kansas City	.0786	.15	.205
Denver	.1250	.18	.25
Seattle	.09	.175	.30
Atlanta	.09	.16	.25
Los Angeles	.082	.154	...
New Orleans	.165	.22	.325
Detroit	.088	.1674	.2399
Baltimore	.115	.21	.2875
Montreal	.12	.28	.34

STRUCTURAL MATERIAL—Following are base prices f.o.b. mill Pittsburgh, together with quotations per 100 lb. from warehouses at places named:

	Mill Pittsburgh	New York Current	New York 1 Yr. Ago	St. Louis	Chicago	San Francisco	Dallas
Beams, 3 to 15 in.	$2.45	$3.47	$4.24½	$3.54	$3.47	$4.45	$5.50
Channels, 3 to 15 in.	2.45	3.47	4.24½	3.54	3.47	4.45	5.50
Angles, 3 to 6 in., ¼ in. thick	2.45	3.47	4.24½	3.54	3.47	4.45	5.50
Tees, 3 in. and larger	2.45	3.52	4.24½	3.54	3.47	4.45	5.50
Plates	2.66	3.67	4.49½	...	3.67	4.90	5.75

RIVETS—The following quotations are per 100 lb.:

STRUCTURAL

	Mill Pittsburgh	New York Current	New York One Yr. Ago	Warehouse Chicago	St. Louis	San Francisco	Dallas
½ in. and larger	$4.20	$4.72	$5.65	$4.72	$4.79	$6.05	$7.50

CONE HEAD BOILER

½ in. and larger	4.30	4.92	5.75	4.82	4.89	6.15	7.50
⅜ and 7/16	4.45	4.97	5.90	4.97	5.04	6.30	7.50
¼ and 5/16	4.70	5.32	6.25	5.32	5.29	6.65	7.75

Lengths shorter than 1 in. take an extra of 50c. Lengths between 1 in. and 2 in. take an extra of 25c.

NAILS—The following quotations are per keg from warehouse:

	Mill Pittsburgh	St. Louis	Chicago	San Francisco	Dallas
Wire	$3.25	$3.90	$3.90	$5.25	$5.00
Cut	4.25	5.85	5.50	6.65	6.40

PREPARED ROOFINGS—Standard grade rubbered surface, complete with nails and cement, costs per square as follows in New York, St. Louis, Chicago and San Francisco:

	1-Ply c.l.	1-Ply l.c.l.	2-Ply c.l.	2-Ply l.c.l.	3-Ply c.l.	3-Ply l.c.
No. 1 grade	$1.50	$1.75	$1.90	$2.15	$2.30	$2.55
No. 2 grade	1.35	1.60	1.70	1.95	2.05	2.30

Asbestos asphalt-saturated Felt (14 lb. per square) costs $156 per ton.

Slate-surfaced roofin, (red and green) in rolls of 108 sq.ft. costs $2.25 per roll in carload lots and $2.50 for smaller quantities.

Shingles, red and green slate finish, cost $6.00 per square in carloads; $6.25 in smaller quantities, in Philadelphia.

ROOFING MATERIALS—Prices per ton f.o.b. New York and Chicago:

	Carload Lots N. Y.	Carload Lots Chicago	Less Than Carload Lots N. Y.	Less Than Carload Lots Chicago
Tar felt (14 lb. per square of 170 sq.ft.)	$70.00	$70.00	$71.00	$71.00
Tar pitch (in 400-lb. bbl.)	21.00	18.00	22.00	19.00
Asphalt pitch (in barrels)	34.00	34.00	37.50	37.50
Asphalt felt	68.00	48.00	72.50	72.50

SHEETS—Quotations are in cents per pound in various cities from warehouse also the base quotations from mill:

Blue Annealed	Large Mill Lots Pittsburgh	St. Louis	Chicago	San Francisco	New York Current	New York Yr. Ago
No. 10	3.55	4.64	4.57	5.80	4.57	5.495
No. 12	3.60	4.69	4.62	5.75	4.62	5.545
No. 14	3.65	4.74	4.67	5.90	4.67	5.595
No. 16	3.75	4.84	4.77	6.00	4.77	5.695
Black						
*Nos. 18 and 20	4.15	5.24	5.42	6.75	5.30	6.295
*Nos. 22 and 24	4.20	5.29	5.47	6.80	5.35	6.345
*No. 26	4.25	5.34	5.52	6.95	5.40	6.395
*No. 28	4.35	5.44	5.62	7.05	5.50	6.595
Galvanized						
No. 10	4.70	5.79	5.97	....	6.20	6.845
No. 12	4.80	5.89	6.07	7.30	6.25	6.895
No. 14	4.80	5.89	6.07	7.30	6.30	6.945
Nos. 18 and 20	5.20	6.19	6.37	7.60	6.60	7.245
Nos. 22 and 24	5.25	6.34	6.52	7.75	6.75	7.295
*No. 26	5.40	6.04	6.67	7.90	6.90	7.445
*No. 28	5.70	6.79	6.97	8.20	7.20	7.745

*For painted corrugated sheets add 30c. per 1000 lb. for 25 to 28 gage; 25c. for 19 to 24 gages; for galvanized corrugated sheets add 15c., all gages.

LINSEED OIL—These prices are per gallon:

	New York Current	New York One Year Ago	Cleveland Current	Cleveland One Year Ago	Chicago Current	Chicago One Year Ago
Raw in carlots (5 bbl.)	$2.15	$1.90	$2.50	$2.10	$2.37	$2.05
5-gal. lots	2.38	2.00	2.75	2.25	2.57	2.25

WHITE AND RED LEAD—Base price per pound:

	Red Current Dry	Red Current In Oil	Red 1 Year Ago Dry	Red 1 Year Ago In Oil	White Current Dry and In Oil	White 1 Yr. Ago Dry and In Oil
100-lb. keg	13.00	14.50	14.00	14.50	13.00	14.00
25 and 50-lb. kegs	13.25	14.75	14.25	14.75	13.25	14.25
12½-lb. keg	13.50	15.00	14.50	15.00	13.50	14.50
5-lb. cans	15.00	16.50	16.00	16.50	15.00	16.00
1-lb. cans	16.00	17.50	17.00	17.50	16.00	17.00

500 lb. lots less 10% discount; 2000 lb. lots less 10-2½% discount.

LUMBER

San Francisco—Prices of rough Douglas fir No. 1 common, in more than carload lots:

	Lumber Prices in Yards at San Francisco 6-8-12 and 14 Ft.	10-16-18 and 20 Ft.	22 and 24	25 to 32 Ft.
3x3 and 4	$34.50	$35.00	$36.00	$38.00
3x6 and 8	35.50	36.00	37.00	39.00
4x4–6 and 8	36.00	37.00	38.00	40.00
3x10 and 12	36.00	37.00	38.00	40.00
3x14	36.50	37.50	38.50	40.50
4x10 and 12	36.00	37.00	38.00	40.00
4x14	37.00	38.00	39.00	41.00

	24 Ft. and Under	25 to 32 Ft.	33 to 40 Ft.
6x10	$35.50	$37.50	$38.50
6x14	37.00	39.00	40.00
8x10	35.50	37.50	38.50
8x14	37.00	39.00	

New York, Chicago and St. Louis

	Southern Pine New York* 20 Ft. and Under	Southern Pine New York* 22-24 Ft.	Southern Pine Chicago 20 Ft. and Under	Southern Pine Chicago 22-24 Ft.	Yellow Pine St. Louis 20 Ft. and Under	Yellow Pine St. Louis 22-24 Ft.
3x 4 to 8x 8	$48.00	$49.00	$50.00	$51.00	$40.00	$42.00
3x10 to 10x10	52.00	53.00	54.00	55.00	43.00	45.00
3x12 to 12x12	55.00	56.00	56.00	57.00	45.00	46.50
3x14 to 14x14	59.00	60.00	61.00	62.00	50.00	52.00
3x16 to 16x16	69.00	70.00	64.00	65.00	53.00	55.00
3x18 to 18x18	74.00	75.00	68.00	69.00	57.00	58.00
4x20 to 20x20	89.00	90.00	.....	.....	.....	.....

* Prices from Lumbermen's Bureau

Over 24 ft.—Add $1 for each additional 2 ft. in length up to 40 ft. for sizes 12 x 12 and under; for sizes over 12 x 12 add $2. For merchantable add $2 to sizes 10x 10 and under. For prime add $2 to the price of merchantable for all sizes.

Other Cities

	8 x 8-In. x 20-Ft. and Under P.	8 x 8-In. x 20-Ft. and Under Fir	8 x 8-In. x 20-Ft. and Under Hemlock	8 x 8-In. x 20-Ft. and Under Spruce	12 x 12-In. 20 Ft. and Under P.	12 x 12-In. 20 Ft. and Under Fir
Boston	$50.00	$49.00	$48.00	$48.00	$50.00	$50.00
Kansas City	51.00	51.25	51.25	.....	57.00	48.25
Seattle	.....	30.00	.....	.....	.....	31.00
New Orleans	45.00	.....	.....	.....	48.00	.....
St. Paul	60.00	59.00	59.00	46.00	42.00	66.00
Atlanta	55.50	57.50	58.00	68.00	68.50	70.50
Baltimore	46.00	.....	.....	.....	60.00	.....
Cincinnati	45.00	45.00	42.00	42.00	48.00	48.00
Montreal	58.00	65.00†	65.00	58.00‡	58.00	58.00
Los Angeles	.....	50.00	.....	.....	.....	52.00
Denver	.....	44.00	.....	.....	.....	44.00

	1-In. Rough, 10 In. and Under x 16 Ft. P.	1-In. Rough, 10 In. and Under x 16 Ft. Fir	1-In. Rough, 10 In. and Under x 16 Ft. Hemlock	2-In. T. and Gr. 10 In. x 16 Ft. P.	2-In. T. and Gr. 10 In. x 16 Ft. Fir
Boston	$50.00	$50.00	$48.00	$50.00	$50.00
Kansas City	84.50	74.25	74.25	87.25	77.25
Seattle	.....	31.50	.....	.....	31.50
New Orleans	54.00	.....	.....	55.25	.....
St. Paul	53.00	53.00	53.00	63.00	58.50
Atlanta	80.00	85.00	.....	65.00	67.50
Baltimore	40–42.00	.....	.....	38–40.00	.....
Cincinnati	45.00	43.00	42.00	45.00	45.00
Montreal	60.00*	60.00	44.00	65.00	63.00
Los Angeles	.....	49.00	.....	.....	.....
Denver	.....	44.00	.....	42.00	.....

* 2x8 costs $56. † Up to 32 ft., above that add $4. ‡ Also tamarac.

Los Angeles—Base price (2x3 and 2x4, length 8 to 14 ft.), $43.
Detroit—Y. P. 1-in. rough, $48; 2-in. t. and g., $50.

Dallas—Yellow pine. Price per M:

2x4 to 2x12—12, 14 and 16	$57.50
2x4 to 2x12—18, 18 and 20	60.00
2x4 to 2x12—22 and 24	62.50
4x4, 4x6, 6x6, 8x8 and 3x8	61.25
8x10, 10x10 and 3x10	62.5
12x12 and 3x12	67.50

Construction News — Up To The Minute

WATER-WORKS
ROPOSED WORK

Va., Orange—Town having plans prepared improving waterworks system and installing filtration plant. About $70,000. Saville & Claiborne, 7th and Mani Sts., Richmond, engrs. Noted Aug. 21.

S. C., Rock Hill—J. G. Barnwell, city mgr., receives bids in December building extension to waterworks and sewarage system. About $150,000. G. C. White, Durham, N. C., engr.

Tex., Terrell—City voted $200,000 bonds to build waterworks system. L. W. Wells, city engr.

Okla., Altus—City sold $50,000 bonds to improve waterworks system. Johnson & Benham, Firestone Bldg., Kansas City, Mo., engrs.

Okla., Cushing—City election Nov. 24, to vote on $75,000 bonds to extend waterworks.

Okla., Henryetta—City voted $200,000 bonds to improve waterworks system. Burns & McDonald, Interstate Bldg., Kansas City, Mo., engrs.

Okla., Tonkawa—City sold $60,000 bonds to extend waterworks system. Johnson & Benham, Firestone Bldg., Kansas City, Mo., engrs. Noted July 24.

Bids Desired

Pa., Erie—Until Nov. 28, by city, building 5,000,000-gal. rein.-con. reservoir. Chester & Fleming, Union Bank Bldg., Pittsburgh, engrs.

PRICES AND CONTRACTS AWARDED
(*Indicates award of contract)

***Conn., East Hartford** (Hartford P. O.)—Fire Dist., at office of Dist. Comrs., Wells Hall, Main St., let contract building extensions to waterworks system, to Beaver Eng. & Contg. Co., 51 Chambers St., New York City. Noted Sept. 11.

***Mich., Royal Oak**—Baker Land Co. let contract building complete waterworks system, involving 12,049 ft. 6-8-in. pipe, forty-seven 6-8-in. valves, 47 valve boxes and 5 hydrants, to T. C. Brooks & Son, West Grand Blvd., Detroit, $26,490.

***Okla., Ada**—City let contract to Merkle Mchy. Co., 508 Interstate Bldg., Kansas City, Mo., furnishing and installing two 750-gal.-per-minute turbine pumps and 100 hp. motors, two 1250-gal.-per-minute underwriter turbine fire pumps and 200-hp. motors, 3 panel switchboard complete with wiring, recording Venturi water meter, all piping, valves and fittings and one 10-in. automatic hydraulic valve. About $20,500.

***Okla., Madill**—City let contracts improving waterworks system, to U. S. Cast Iron Pipe & Fdry. Co., Security Bldg., St. Louis, Mo., pipe and fittings, $15,158; to Darling Valve & Hydrant Co., Oklahoma, valves and hydrants, $947. Noted Aug. 28.

SEWERS
PROPOSED WORK

N. J., Jersey City—City Comn. soon receives bids building 18-in. vitr. pipe sewers in Virginia, Clark and Yale Aves., Bennett and Water Sts. About $15,000. C. A. Van Kuren, city engr.

Mich., Detroit—Comr. Pub. Wks. soon lets contract furnishing labor and material for building and finishing complete 6475-ft. sewers in Bates, Congress, Randolph, Adams and Brush Sts., from center line Atwater St. to north line Adelaide St., 13-ft. 6-in. cylinder, brick or concrete segment block with 16-in. walls. Alternate plan, 2-barrel, 10-ft. 4-in. diameter, 16-in. wall. About $2,000,000. C. W Hubbell, city engr.

Ia., Des Moines—City soon lets contract building Waveland Park Sanitary Sewer, involving 14,000 ft. 10-in. pipe, small septic tank and filter bed, cost $25,000; South Side Sewer, 37 mi. 10-36-in. pipe and two unit electrically operated centrifugal pumping plant, $450,000; Woodland Ave. Storm Sewer, 5000 ft. 15-36-in. pipe, $25,000. K. C. Kastburg, city engr.

Neb., Ord.—City soon lets contract laying 6-16-in. rein.-con. sewers in Main St. About $98,000. Rohrbough Eng. Co., 920 City Natl. Bank Bldg., Omaha, engrs.

BIDS DESIRED

N J., Newark—Until Nov. 25, by Passaic Valley Sewerage Comrs., Essex Bldg., 31 Clinton St., for continuation and completion of construction of Sect. 2 of outfall pressure tunnel, beneath portion of New York Bay and Jersey City, Hudson Co. Work involves (1) earth or rock excav. and refilling, in compressed air tunnel, for 144-in. concrete sewer, 4940 lin.ft.; (2) concrete masonry in compressed air tunnel, and shafts, of Portland cement mortar, in place, 15,200 cu.yd.; (3) rock trimming of existing tunnel heading, 150 cu.yd.; (4) removing sand, stone, timber, etc., and debris from existing sewer and tunnel heading, 1500 cu.yd.; (5) trimming, caulking and tightening existing concrete sewer in tunnel, 15,000 sq.yd.; (6) removing existing tunnel timbering, raising heading and retimbering, 73 lin.ft.; (7) removing 4 existing concrete bulkheads, lump sum; (8) Portland cement grout, in place, 15,000 bbls. cement; (9) dry dock packing, 1000 cu.yd.; (10) removal and raising of arch and sidewalls of portion of existing sewer, 50 lin.ft.; (11) steel reinforcement for concrete, in place, 5000 lb. Two forms of proposals will be received: Form "A," under which payments are made on basis of stipulated unit prices; Form "B," under which payments are made on basis of stipulated percentage of actual cost of labor and materials. W. M. Brown, ch. engr.

Ont., Windsor—Until Nov. 27, by Essex Border Utilities Comn., 66 Ouellette Ave., completing South Sewage Interceptor, in Sandwich and Ojibway. Work involves 10,280 ft. rein.-con. lock-joint pipe, 15 concrete and brick manholes, pumping and clearing 4000 ft. 27- and 42-in. sewer, shaping ditches, replacing 80 sq.yd. concrete pavement and sand and clay excav., 13-15 ft. deep. M. Knowles, ch. engr.

PRICES AND CONTRACTS AWARDED
(*Indicates award of contract)

***Mich., Port Huron**—City let contract building vitr. crock sewers in Farley, Ballentine, Howard and Porter Sts., from 20th to 24th Sts., involving 5008 ft. 15-20-in. pipe, to C. Mugovero, Huron Ave., $4691, $4944, $5462 and $4691, respectively. Noted Nov. 13.

***Neb., Tilden**—City let contract building sanitary sewerage system and sewage-disposal plant, involving 26,666 ft. 8-12-in. vitr. pipe, and septic tank, to Katz Constr. Co., 409 Brandeis Theater Bldg., Omaha, $47,700.

***Neb., Wilbur**—City let contract installing 32,151 ft., 8-12-in. tile sanitary sewers in various streets, to Martz Constr. Co., Seward, $42,880. Noted Sept. 11.

***Okla., Okmulgee**—City let contract building 1-mi. sewers in Dists. Nos. 34 and 35, to Tibbetts & Pleasant, Okmulgee, $2875 and $35,750 respectively. Noted Oct. 30.

Cal., San Francisco—Bd. Pub. Wks. received bids building 1137 ft. sewer through Presidio Reservoir, portion of its invert lined with vitr. brick, involving 100 ft. 6-in. vitr. salt glazed iron stone pipe and 1137 ft. 2 ft. 6 in. x 3 ft. 9 in. concrete pipe, from Hickey & Harmon, 370 Arguello Blvd., $12,446. T. D. Harvey, 821 Market St., $15,087

BRIDGES
PROPOSED WORK

O., Columbus—Franklin Co. voted $375,000 bonds to build bridge over Scioto River, on Greenlawn Ave. C. C. Lattimer, co. surv.

Ia., Manchester—Delaware Co. having plans prepared building 168-ft. rein.-con. bridge, 45 ft. wide, to have two 80-ft. span arches, 33-ft. roadway, two 6-ft. walks and 4 retaining walls, varying from 25 to 45 ft. long. About $40,000. H. Klaus, co. engr.

BIDS DESIRED

Pa., Reading—Until Dec. 5, by Berks Co., building 1586-ft. rein.-con. bridge, 60-ft. wide. C. F. Sanders, co. engr.

N. C., Greenville—Until Dec. 1, by Comrs. Pitt Co., reconstructing 273-ft. steel bridge ove rTar River. J. B. Harding, Greenville, engr.

S. C., Jacksonboro—Until Nov. 26, by Sanitary & Drainage Comn., Charleston, building 456-ft. bridge over Edisto River, here, to have one 150-ft. rivet connected steel swing span and two 150-ft. rivet connected simple spans, piers, abutments and fenders, for Charleston Co., (Charleston) and Colleton Co. (Waterboro). Work involves 375.8 cu.yd. class B rein.-con., 92.4 cu.yd. class C concrete, 3967 lbs. steel bars, 7320 lin.ft. wooden piling and 17,100 ft. B.M. yellow pine timber for fenders. About $65,500.

Wis., Milwaukee—Until Dec. 10, P. Braman, comr. pub. wks., furnishing labor and materials building North Ave. viaduct and side approach over Chicago, Milwaukee & St. Paul R.R. tracks and Milwaukee River, here. Work includes building concrete viaduct extending from intersection of North and Humboldt Aves. on the west, to east bank of Milwaukee River to east. From westerly end work consist of 183-ft. retaining wall with earth fill, 142-ft. concrete beam-and-slab construction, 141 ft. steel girders, concrete encased, over Chicago, Milwaukee & St. Paul R.R. tracks; 348-ft. concrete beam-and-slab construction and 571-ft. concrete arch construction, 3 arch spans, Milwaukee River. Total width of viad[illegible] of ft. with 40-ft. clear roadway. At [illegible] side of Milwaukee River will be side [illegible] each 600 ft. long, 28 ft. wide, with stair[illegible]. Alternate bids will be received on [illegible] work in case level of Milwaukee River [illegible] left at normal elevation, about 14 to [illegible] ft. above city datum, "B," in case gates [illegible] dam are opened and level of Milwaukee River is lowered about 10 ft.

B. C., Erichson—Until Nov. 25, by A. E. Foreman, engr., Pub. Wks. Dept., Victoria, building bridge over Goat River, near here, 248 ft. long, 16 ft. wide, to include 150-ft. Howe span, and 58- and 39-ft. approach spans, timber on concrete abutments, involving 100,000 ft. timber, 20 cu.yd. concrete and 16 tons steel. About $16,000.

PRICES AND CONTRACTS AWARDED
(*Indicates award of contract)

***N. Y., Cuba**—E. S. Walsh, supt. pub. wks., Capitol, let contract building a through plate girder bridge over Cuba Reservoir Spillway, on Cuba-Olean Highway, here, to J. B. Smith, Cuba, $19,905. Noted Oct. 30.

***N. C., Rutherfordton**—Rutherford Co. let contract building steel bridge, concrete floor, on Avondale St., to Atlantic Bridge Co., Charlotte, $17,360.

O., Columbus—Comrs. Franklin Co. received only bid Sept. 10, building superstructure for Platter Bridge, 24 ft. wide, over Big Walnut Creek, on Lockbourne Rd., Hamilton Twp., involving 1,095,260 lb. steel, 26,771 lb. reinforcing steel and 167 cu.yd. concrete, from Grant-Boulton Co., Columbus, $41,750; substructure involving 2200 cu.yd. dry and 480 cu.yd. wet excav., 80 cu.yd. class "A" and 1100 cu.yd. class "B" concrete, from J. A. Swingle Co., Columbus, $18,792. Work will be held in abeyance for some time. Noted Aug. 28.

***South Dakota**—State Highway Comn., Pierre, let contract building 420-ft. steel bridge on concrete piers and abutments over White River, to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha, Neb. About $30,000.

***Washington**—State Highway Comn., Oylmpia, let contract building 240-ft. steel span bridge over Cowlitz River, near Nesika, Lewis Co., to Union Bridge Co., foot of Fenwick and Kenton Sts., Portland, $38,149. Noted Oct. 16.

***Washington**—State Highway Comn., Olympia, let contract building concrete arched bridge on Inland Empire Highway, Columbia Co., to J. T. Stickler, Asotin. About $18,000.

STREETS AND ROADS
PROPOSED WORK

N. J., Trenton—City voted $1,000,000 bonds to build 1-mi. boulevard over Sanhican Creek, through City. Engineer not selected.

N. C., Ashboro—Comrs. Randolph Co. soon let contract building 40,000 sq.yd. road, sheet asphalt, bitulithic and bituminous concrete. A. E. Taplin, High Point, engr.

S. C., Rock Hill—J. G. Barnwell, city mgr., receives bids in December paving various streets. About $700,000. G. C. White, Durham, N. C., engr.

Ga., Moultrie—Colquitte Co. soon receives bids paving various roads. About $500,000. Noted May 1.

O., Bellaire—City voted $150,000 bonds to improve various streets. H. Althar, Bellaire, engr. Noted Sept. 18.

O., Cincinnati—City plans to grade, pave and curb 3336 ft. Harrison Ave. from Colerain to State Aves., 40 ft. wide, granite, cost $88,000; Gage St., Intermediate, Bantry, Glen, Danto, Kennedy, Rulison and Hull Aves., 2100 ft. long, 25 ft. wide, concrete, $21,016. F. Krag, city engr.

O., Cleveland—Comrs. Cuyahoga Co. receive bids in spring building Som Center Rd. No. 3, waterbound macadam. About $57,000. W. A. Stinchcomb, co. engr.

O., Cleveland—Comrs. Cuyahoga Co. receive bids about March 10, paving 6-mi. Akron-Cleveland Rd., 20-ft. wide, vitr. brick on 6-in. concrete base. About $36,205. W. A. Stinchcomb, co. engr.

O., Cleveland—Cuyahoga Co. receives bids about Jan. 15, paving East View Kinsman Rd., vitr. brick. About $20,000. F. A. Pease Eng. Co., 804 Marshall Bldg., engrs.

O., Cleveland—W. H. Evers, engr., 332 The Arcade, receives bids about Dec. 1, grading, building sewers, watermains and sidewalks, and paving Detroit and Madison Aves. in Wagar Park, vitr. brick, for W. B. Nye, 6521 Hough Ave. About $80,000.

South Dakota—State Highway Comn. Pierre, plans to grade, gravel and drain 8.3 mi. Chamberlain-Plankinton Rd., Brule Co., involving 46,000 cu.yd. earth ecav., 12,450 cu.yd. gravel, 218 cu.yd. concrete for culverts and 15,000 lb. reinforcing steel, etc., $72,503; gravel 5.07 mi. and grade 9.07 mi. Mobridge-McIntash Highway, Corson Co., involving 37,000 cu.yd. earth excav., 6084 cu.yd. gravel, 186 cu.yd. concrete for culverts

1,500 lb. reinforcing steel and 1,000 sq. rods clearing and grubbing, $46,407.

Montana—State Highway Comn., Helena, plans to gravel surface 12 mi. Richey-Paxton Rd., cost $20,000, 5 mi. Richey-Vida Rd., $10,000, 10 mi. Richey-Rose Valley Rd., $20,000, 37 mi. Glendive-Lindsay-Brockway Rd., $74,000, 6 mi. Richey-Manrock Rd., $12,000, 34 mi. Red Trail, $68,000, 20 mi. Glendive-Sidney Rd., (Black Trail), $40,000, 50 mi. Richey-Bloomfield Rd., $100,000, all in Dawson Co.; 28 mi. Mullan Rd., $150,000, 40 mi. Anaconda-Drummond Rd., $150,000, Granite Co.; 20 mi. Bainville-Dwyer Rd., $23,000, 9 mi. Poplar-Scobey Rd., $30,000, Roosevelt Co.; 41 mi. Wolf Creek-Augusta Rd., 9 ft. wide, $160,000, 10 mi. Helena-Rimini Rd., 16 ft. wide, $30,000, concrete surfacing ½ mi. and graveling 9 mi. Helena-Bozeman Rd., 16 ft. wide, $60,000, Lewis and Clark Counties. Federal Government asked to appropriate toward cost. J. N. Edy, state highway engr.

Missouri—State Highway Dept., Jefferson City, plans to build 7.8 mi. Natl. Old Trails Rd., 24 ft. wide, involving 26,000 cu.yd. earth excav., 73,390 sq.yd. 5 in. waterbound and 2½ in. bituminous macadam surfacing, 16 ft. wide, one 30-ft. concrete bridge and 9 culverts, cost $129,438, 5.55 mi. Natl. Old Trails Rd., 24 ft. wide, 17,000 cu.yd. earth excav., 52,000 sq.yd. 2½ bituminous macadam, 16 ft. wide, and 8 culverts, $88,579, both Cooper Co.; 13.5 mi. Doiphan-Alton State Rd., 24 ft. wide, 31,500 cu.yd. earth excav., 32,000 sq.yd. 6-in. gravel surfacing, 16 ft. wide, 20 culverts and two 30-ft. bridges, $28,292, Ripley Co.; 19 mi. Harrisonville-Belton Rd., 24 ft. wide, 57,000 cu.yd. earth excav., 178,350 sq.yd. 2-course waterbound macadam, 7 in. thick, 16 ft. wide, 3,500 ft. 6 in. tile underdrain, 20 culverts and one 70-ft. span bridge, $170,870, Cass Co.; 1.75 mi. Six Mile Lane, 26 ft. wide, 4,100 cu.yd. earth excav., 18,480 sq.yd. brick or concrete pavement on concrete base, 7 in. thick, $56,124, Moberly Special Rd. Dist., Randolph Co.; 8.56 mi. road from Stoddard Co. line to McGuire, 24 ft. wide, 80,379 sq.yd. 10 in. gravel with 2 course Novaculite surface, 16 ft. wide, 45,213 lin.ft. grading, and 12 drainage wells, $62,598, Dunklin Co.; 13.07 mi. Liberty-Excelsior Springs Rd., 24 ft. wide, 82,646 cu.yd. earth and 11,626 cu.yd. rock excav., 122,507 sq.yd. bituminous macadam, 16 ft. wide, 493 cu.yd. concrete, 9240 lb. structural and 12,240 lb. reinforcing steel, 100 lin.ft. iron railing, 1388 ft. 15-24 in. concrete pipe and 5,000 ft. 4 in. vitr. clay tile drains, $324,572, Clay Co.; 8 mi. Natl. Old Trails Rd., 24 ft. wide, 12,000 cu.yd. earth excav., 75,093 sq.yd. 2½ in. bituminous concrete, 16 ft. wide, 11 culverts and 2 bridges, involving 2263.9 cu.yd. concrete and 198,630 lb. reinforcing steel, $142,053, 9.2 mi. Natl. Old Trails Rd. 24 ft. wide, 20,000 cu.yd. earth excav., 86,357 sq.yd. 5-in waterbound and 2½-in. bituminous macadam or asphalt, 16 ft. wide, 18 culverts, one 30-ft. and one 80-ft. bridge, $168,014, Malta Bend Special Rd. Dist., Saline Co.

Mo., Independence—Jackson Co. rejected bids received Sept. 30, grading and surfacing 3.1 mi. Lone Jack East Rd., from Lone Jack to Jackson-Johnson Co. line, 16 ft. wide, bituminous macadam. Noted Sept. 11.

Mo., Joplin—Special Rd. Dist. plans to build 45 mi. hard-surfaced roads, 18 ft. wide. Bonds for $500,000 voted for project. Engineer not selected.

Mo., Monticello—Lewis Co. plans to build 5.5-mi. gravel road from Monticello to Lewiston; cost, $55,000; also 6-mi. road from Monticello to North Canton, $60,000; both 16 ft. wide.

Mo., Savannah—Andrew Co., (Savannah) and Nodaway Co. (Marysville) plan to build 50-mi. hard-surface roads from Iowa line to Buchanan Co., through Hopkins, Marysville and Savannah, 18 ft. wide. Leslie-Barnes Eng. Co., Amer. Natl. Bank Bldg., St. Joseph, engrs.

Tex., San Antonio—Comrs. Bexar Co. soon let contract gravel surfacing 7.27 mi. Highway No. 9 from Leon Springs to Bexar Co. line, 16 ft. wide, involving two 60-ft. flat concrete crossings, 24-ft. reinforcon. span bridge, 14,578 sq.yd. bituminous macadam and 10.6 acres clearing and grubbing. About $76,056. C. E. Hoff, San Antonio, engr.

Cal., Oakland—City soon lets contract improving 3,200 ft. Porter and Suter Sts., from 35th to 38th Aves., Octavia and Abbey Sts., from Suter to Porter Sts. and Loma Vista Ave., from Quigley to Porter Sts., 40 ft. wide, involving 6,188 cu.yd. earth excav., 6,377 lin.ft. concrete curbing, 13,120 sq.ft. concrete guttering, 32,099 sq.ft. cement sidewalks, 78,288 sq.ft. oil macadam, 876 lin.ft. conduit pipe. About $29,000. M. Campbell, city engr.

BIDS DESIRED

Massachusetts—Until Nov. 25, by State Highway Comn., Boston, building 24,500-ft. road 18-ft. wide, Community Twp., involving 72,000 sq.yd. Portland concrete. About $220,000. A. W. Dean, state highway engr.

N. C., Asheville—Until Nov. 25 by Div. Office, Sate Highway Comn., Asheville, building 3.7-mi. road, Buncombe Co., concrete Topeka on penetration macadam. About $140,000. W. S. Fallis, Raleigh, state highway engr.

Ga., Madison—Until Nov. 24, by city, grading, curbing, draining and paving Public Sq., Jefferson and Main Sts., involving 29,000 sq.yd. pavement. Bids will be received on concrete, brick and bituminous. Solomon-Norcross Co., 1624 Candler Bldg., Atlanta, consult. engrs.

Ala., Fairfield—Until Nov. 24, by city, grading and macadamizing about 1,300 ft. 53rd St. and Terrace Ave. A. C. Decker, mayor.

Mich., Harrison—Until Nov. 30 by J. W. Wilson, twp. clk., R. R. No. 3, Lake, grading, draining and surfacing 2½ mi. State Reward Rd., 12 ft. wide, Freeman Twp., Clare Co., involving 17,600 sq.yd. class B gravel. About $36,000. State Highway Dept., Lansing, engrs.

Tex., Ft. Worth—Until Nov. 25, by D. L. Lewis, city engr., repaving Commerce St. from East Front to Weatherford Sts., 50 ft. wide, involving 29,593 sq.yd. 3-in. vitr. fibre brick and 10,000 lin.ft. concrete gutter, cost $90,000; paving 2,305 ft. Calhoun St. from East Front and 9th Sts., 40 ft. wide, involving 10,867 sq.yd. 3-in. vitr. fibre brick and 5,000 lin.ft. concrete gutter, $45,000.

Tex., Ft. Worth—Until Jan. 1, by Comrs. Tarrant Co., grading and concrete surfacing 5.8 mi. Ft. Worth-Dallas Highway, 18 ft. wide, rebuilding 10-mi. Camp Hix Rd., 18 ft. wide and 6.2 mi. Benbrook Rd., 18 ft. wide. Federal Government appropriated $200,000 toward cost. R. V. Glenn, Ft. Worth, engr. Noted Aug. 7 and Sept. 18.

Okla., Durant—Until Nov. 25, by city, for 7,500 sq.yd. vitr. fibre brick and 53,500 sq.yd. concrete pavement. D. C. Lipscomb, city engr.

Ore., St. Helens—City receiving bids improving West St., to include draining, paving, with concrete or bitulithic and building concrete curbs. About $10,000. E. E. Quick, St. Helens, city recdr.

California—Until Nov. 24 by State Highway Comn., 515 Forum Bldg., Sacramento, grading 4 mi. State Highway between Cushion Creek and Crescent City, Del Norte Co., involving 18,000 cu.yd. excav., 6,000 cu.yd. gravel, 60 cu.yd. class A Portland cement concrete, 538 lin.ft. 12-24-in. corrugated pipe; 6.6-mi. road between Pine Valley and Casbere Ranch, San Diego Co., involving 37,670 cu.yd. excav., 210 cu.yd. class A Portland cement concrete, 2,567 lin.ft. 18-30-in. corrugated pipe; 13.8-mi. road between Casbere Ranch and Tecate Divide, San Diego Co., involving 111,000 cu.yd. excav., 365 cu.yd. class A Portland cement concrete, 3,736 lin.ft. 18-30-in. corrugated pipe; paving 18.2 mi. road between Weed and Southerly Boundary, Siskiyou Co., involving 18,100 cu.yd. class A Portland cement concrete.

PRICES AND CONTRACTS AWARDED
(*Indicates Award of Contract)

Mass., Leominister—City received bids Oct. 30, scarifying and reshaping 3826 ft. North Main St., 18 ft. wide, 3-in. top of Topeka mixture, involving 8,000 sq.yd. bituminous macadam, from D'Onfro Bros., Leominster, $11,225; Framingham Constr. Co., Framingham, $11,818; R. H. Newell, Uxbridge, $13,859.

***Connecticut**—State Highway Comn., Hartford, let contract improving 3,800 ft. Bozrah St., 3-in. trap-rock surface over 5-in. gravel base, Bozrah Twp., to J. Arborio, 80 Park St., New Haven, $18,000; 3,890 ft. Middlefield Rd., 3-in. trap-rock macadam, Middletown Twp., to A. Brazos & Sons, Oak St., Middletown, $15,000; $802 lin.ft. Forest St., bituminous macadam, New Haven, to C. W. Blakeslee & Son, 58 Waverly St., New Haven, $41,000. Noted Oct. 16.

***N. Y., Buffalo**—City let contracts to H. P. Burgard Co., 1968 Fillmore Ave., paving 4957 yd. River St. from Erie to Genesee Sts., 42 ft. wide, dressed block on 6-in. concrete base, Medina sandstone curbing, cost $32,220, 4621 sq.yd. Elmer St. from Kensington Ave. to Amherst St., 26 ft. wide, standard asphalt on 6-in. concrete base, Medina sandstone curbing, $23,530, 2,486 sq.yd. Page St. from Hertel to Lawn Aves., 26 ft. wide, standard asphalt on 6-in. concrete base, Medina sandstone curbing, $13,650, 6,935 sq.yd. Lathrop St. from Bway. to Sycamore St., 30 ft. wide, standard asphalt on concrete base, $32,870, 3,504 sq.yd. Fay St. from Walden to West Shore Aves., 26 ft. wide, standard asphalt on concrete base, Medina sandstone curbing, $17,320; to Rock Asphalt & Constr. Co., Morgan Bldg., 5,400 sq.yd. Ohio St. from proposed state improvement to Buffalo River bridge, 32 ft. wide, standard asphalt, Medina Sandstone curbing, $27,050, 10,847 sq.yd. South Park Ave. from Cumberland Ave. to Triangle St., 32 ft. wide, standard asphalt, $51,641, 592 yd. Kensington Ave. from Main St. to Humboldt Parkway, 30 ft. wide, standard asphalt, $3,421, 3,280 sq.yd. Fuller St. from Ontario St. to Briggs Ave., 26 ft. wide, standard asphalt on 6-in. concrete base, Medina sandstone curbing, $17,776, 1,114 sq.yd Pennsylvania St. from Prospect Ave. to Niagara St., 32 ft. wide, standard asphalt on concrete base, $6,235, 2,135 sq.yd. Armin Pl., from Seneca St. to point 734 ft. northeast, 26 ft. wide, standard asphalt on concrete base, Medina sandstone curbing, $10,867, 2,000 sq.yd. West Humboldt Parkway, from Main St. to Agassiz Pl., standard asphalt, $9,975; to B. F. Spire, 24 Colonial Circle, 2,997 yd. Wex Ave., from Walden to West Shore Aves., 24 ft. wide, brick, $16,750; to Erie Contg. Co., Morgan Bldg., 4,657 sq.yd. Abby St. from end of present pavement to Bell St., 28 ft. wide, brick on 6 in. concrete base, Medina sandstone curbing, $26,300, 2,639 sq.yd. Ross Ave. from end of present pavement to Ontario St., 24 ft. wide, brick on 6-in. concrete base, Medina sandstone curbing, $14,300. Noted July 31 and Sept. 4.

***N. Y., New York**—Acting President, Manhattan Boro., let contracts to Asphalt Constr. Co., 1 Madison Ave., regulating and grading with granite blocks, Washington, Christopher and Little West 12th Sts., $73,435, 118th St. from Pleasant Ave. to Harlem River, $18,634; to W. J. Fitzgerald, 547 West 45th St., Battery Pl., State and Hall Sts., $38,816; to W. J. McCarthy, Audubon Ave., Park Ave. from 41st to 42nd Sts., $2,396; to Cleveland Trinidad Paving Co., Flushing Ave., Brooklyn, 42nd St. from Lexington to Vanderbilt Aves., $17,573.

***North Carolina**—State Highway Comn., Greensboro, let contract hard surfacing 6 mi. Wilmington-Charlotte-Asheville Highway, 16 ft. wide, to Simmons, Whitton & Co., Selwyn Hotel Bldg., Charlotte. About $150,000

***N. C., Clinton**—City let contract paving various streets, to R. M. Hudson Co., Concord, $150,000. Work involves 20,000 lin.ft. curb and gutter, 10,000 sq.yd. concrete sidewalk and 20,000 sq.yd. asphalt. Noted Sept. 25.

***N. C., Goldsboro**—City let contract for 7 mi. sheet asphalt pavement and 2,600 lin.ft. concrete curb and gutter, to West Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn. About $300,000. Noted July 31.

***N. C., Oxford**—Granville Co. let contract graveling 4½ mi. road, to T. W. Chandler, Virgilina, Va. About $25,000.

N. C., Washington—Beaufort Co. let contract paving 15 mi. various roads, 18 ft. wide, sheet asphalt, to Lassiter Porter Co., Norfolk, Va.

Fla., Jacksonville—Jacksonville Terminal Co. let contract paving 400 ft. plaza in front of new terminal, 175 ft. wide, involving 7,700 sq.yd. concrete, to McDowell Constr. Co., Jacksonville.

Fla., Quincy—City let contract paving Main St., involving 23,000 sq.yd. asphaltic concrete and 14,280 lin.ft. curbing and guttering, to Kennedy Constr. Co., Tampa, $70,074. Noted Sept. 4.

O., Cleveland—Comrs. Cuyahoga Co. received only bid Nov. 5, building Cedar Rd., involving 6,860 cu.yd. concrete, 4,710 lin.ft. corrugated pipe gutter and 53,000 cu.yd. earth excav., from T. B. Husband, Rexwood Ave., $68,051. Noted Oct. 30.

***Michigan**—State Highway Comn., Lansing, let contract grading, draining and surfacing 7.651 mi. State Trunk Line Rd. No. 18-7 16 ft. wide, Crawford Co., involving 71,816 sq.yd. stone gravel and 27,614 cu.yd. earth excav., to Rd. Comns., Crawford Co., Grayling, $109,919; 1.468 mi. State Trunk Line Rd. No. 12-11 A, 16 ft. wide, Dickinson Co., 13,779 sq.yd. gravel, 13,000 cu.yd. earth and 150 cu.yd. rock excav., to Hoose & Pierson, Iron Mountain, $22,429; 4.508 mi. State Trunk Line Rd. No. 26-7 A, 16 ft. wide, Gogebic Co., involving 42,315 sq.yd. gravel, to J. E. McNicholas, Marenisco, $48,927; 7.573 mi. State Trunk Line Rd. No. 18-3 B, 16 ft. wide, Otsego Co., involving 42,289 cu.yd. earth excav. and 71,089 sq.yd. gravel, to Midland Constr. Co., Inc., Midland, $110,478; 2.91 mi. State Trunk Line Rd. No. 10-5, 16 ft. wide, Presque Isle Co., involving 13,310 cu.yd. earth excav., 27,297 sq.yd. gravel and 97 cu.yd. concrete, to L. W. Edison Rogers, $37,573.

***Minn., Brainerd**—Comrs. Crow Wing Co. let contract grading and graveling 3.5 mi. State Rd. No. 6, 24 ft. wide, to Williams & Pettyjohn, Park Rapids, $28,081. About Sept. 18.

***Minn., Duluth**—W. H. Borgen, treas. St. Louis Co., let contract clearing, grubbing and ditching right-of-way for 17-mi. State Rd. No. 4, 29 ft. wide, to Bartlett & Oustelhoult Co., c-o. County Engineer's Office, $29,321.

***Kan., Stafford**—City let contract building 15,000 sq.yd. brick pavement, to M. R. Ammerman, Salina. About $68,000.

***Neb., Beatrice**—Comrs. Gage Co. let contract building 1.15 mi. road from Beatrice

to Institute for Feeble Minded, involving 10,986 sq.yd. vitr. brick, 12,176 lin.ft. concrete curbing, 6,468 cu.yd. earth excav. and 168 ft. 18-48-in. concrete pipe, to Abel Constr. Co., Lincoln. About $55,000.

***Neb., Blair**—City let contract building sewers in various streets, involving 64,440 ft. 8-15-in. vitr. and 192 ft. 8-12 in. c.-i. pipe, 152 manholes and 7 flush tanks, to Hanson & Williadsen, 2907 Douglas St., Omaha, $87,-657.

***Neb., Lincoln**—Lancaster Co. let contract paving 5⅛ mi. 14th St. and Asylum-Penitentiary Rd., to Abel Constr. Co., 318 Terminal Bldg., $285,770. Noted Sept. 18.

***Neb., Omaha**—City let contract to H. Murphy Constr. Co., 204 Karbach Blk., paving 6 blocks 60th St. from Military Ave. to Pratt St., involving 7027 sq.yd. 2-in. asphaltic concrete on 6-in. concrete base, 5,477 lin.ft. curb and gutter, 3,800 cu.yd. earth excav., $19,754; 3 blocks 58th St. from Military to Bensonhurst Aves., 4,780 sq.yd. 2-in. asphaltic concrete on 6-in. concrete base, 4,038 lin. ft. curb and gutter, and 2,700 cu.yd. earth excav., $13,491; 4 blocks Curtis Ave. from 30th to 34th St., 5,137 sq.yd. 2-in. asphaltic concrete on 6-in. concrete base, 3,910 lin.ft. curb and gutter, and 1,800 cu.yd. earth excav., $17,906.

***Neb., Peru**—City let contract paving 4,700 ft. 5th St., 24 ft. wide, to Roberts Constr. Co., 404 1st Natl. Bank, Lincoln, $52,137. Noted Sept. 11.

***South Dakota**—State Highway Comn., Pierre, let contract grading, graveling and draining 12.5 mi. Madison Wentworth Highway, Federal Aid Project No. 17, Lake Co., to D. D. Bidwell, Egan, $1101,055; 15.03 mi. Highmore Miller Rd., Federal Aid Project No. 18, Hand Co., and 7 mi. Highmore Miller Rd., Federal Aid Project No. 19, Hyde Co., to G. W. Humphrey, Pingree, N. D., $121,-993, and $51,979, respectively.

South Dakota—State Highway Comn., Pierre, received bids grading, graveling and graining 7.8 mi. Mitchell Plankinton Rd., Federal Aid Project No. 21, Aurora Co., from Aurora Co. Comrs., Plankinton, $69,437; 27.36 mi. Mitchell Alexandria Sioux Falls Rd., Federal Aid Project No. 24, Hanson Co., from W. R. Shipman Constr. Co., Sioux City, Ia., $165,205, Stevens Bros., St. Paul, Minn., $178,-572.

Ark., Marion—Comrs. Rd. Impvt. Dist No. 7, let contract to Roach & Shuford, grading 45 mi. road, involving 333,300 cu.yd. embankment, 50 acres clearing, 50 acres grubbing, 60 cu.yd. concrete, 950 lin.ft. 18-24 in. corrugated metal pipe, 950 lin.ft. 18-24 in. vitr. pipe and 960 lin.ft. 18-24 in. rein.-con. pipe. About $153,358. Noted Aug. 21.

***Tex., Ranger**—City let contract paving 58 blocks, 50 ft. wide, vitr. brick, to McKenzie Constr. Co., Bedell Bldg., San Antonio. About $613,000. Noted Sept. 25.

***Washington**—State Highway Comn., Olympia, let contract to Rajotte, Robert & Winter, Ziegler Bldg., Spokane, building 2.2 mi. Chelon-Okanogan Highway from Chelan to Chelan Falls, Chelan Co., involving 41,443 cu.yd. common excav., $0.54 per cu.yd. and 42,752 cu.yd. rock excav., $1.25 per cu.yd., total, $78,533; Root & Joslin, Spokane, 1.2 mi. State Rd. No. 4 south from Keller, Ferry Co., 27,360 cu.yd. common and 3370 cu.yd. solid rock excav., $21,491; Genl. Constr. Co., North 1324 Elm St., Spokane, 10 mi. Inland Empire Highway from Dodge to Central Ferry, Garfield Co., 123,754 cu.yd. common excav., $0.65 per cu.yd., 24,959 cu.yd. rock excav., $1.80 per cu.yd., and 14,800 cu.yd. crushed rock surfacing, $2.05 per cu.yd., total $184,002; J. T. Stickler, Asotin, 6.6 mi. Inland Empire Highway from Dayton to Delaney, Columbia Co., 72,680 cu.yd. common excav., $0.47 per cu.yd., 2700 cu.yd. solid rock excav., $2.25 per cu.yd., and 8981 cu.yd. crushed rock surfacing, $2.90 per cu.yd., total $95,184; W. J. Smith, Ritzville, 12 mi. Inland Empire Highway from Wallula to Pasco, Walla Walla and Franklin Counties, 68,455 cu.yd. common excav., $0.56 per cu.yd., 14,312 cu.yd. gravel or crushed rock, $2 per cu.yd., and 44.7 cu.yd. concrete, $32 per cu.yd., total $72,593. Noted Oct. 16.

EXCAVATION AND DREDGING

PROPOSED WORK

Ia, Des Moines—Ditch-Polk Co. soon lets contract building 15 mi. ditch and straightening and deepening Skunk River channel, Elkhart, Washington and Ft. Des Moines Twps. About $240,000. G. B. Wicks, 1160 13th St., engr

Ia., Des Moines—Excavation—City soon receives bids excavating 5th St. between Chestnut and School Sts., involving 150,000 cu.yd. dry earth excav. About $100,000. F. Jeffries, city clk.

Minn., Willmar—Ditch—S. Nelson, aud. Kandiyohi Co., rejected bids received Oct. 24, building Co. Ditch No. 46, involving 60,680 ft. 6-35 in. tile, 2½ mi. overhaul, etc. About $71,400. Work will be readvertised in spring.

Mont., Hysham—Irrigation—Hysham Irrigation Dist. plans to irrigate 6000 acres, Treasure Co. About $250,000. B. C. Lillis, Billings, engr.

Mont., Missoula—Irrigation—De Smet Irrigation Dist. plans to irrigate about 500 acres, Missoula Co., by means of two pumping stations, each lifting 70 ft. water. About $150,000. C. F. Farmer, 315 Tremont St., engr.

BIDS DESIRED

Minn., Sherburne—Ditch—Until Nov. 29, by H. C. Nolte, aud. Martin Co., Fairmont, building Judicial Ditch No. 81, involving 1 retaining wall and outlet, 200 ft. pipe for railroad crossings and 11,300 ft. 7-14 in. tile. About $56,100. G. A. Taber, Fairmont, engr.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

***Minn., Carlton**—City let contract building Judicial Ditch No. 1, involving 1259 cu.yd. excav., 452 acres clearing and grubbing, 32 mi. grading, 3 type "A," 14 type "B" and 4 type "C" bridges, and two 36 in. culverts, to W. J. Gleason, Aitkin, $208,499.

***Minn., Mankato**—C. L. Kennedy, aud. Blue Earth Co., let contract building D. D. No. 55, involving 9750 lin.ft. 8-18 in. tile, to J. H. Sorensen, 413 Madison Ave., $10,980.

INDUSTRIAL WORKS

PROPOSED WORK

Mass., Fall River—R. W. Powers, 133 Pocasset St., soon receives bids building 1 story, brick and rein.-con. garage and service station, rein.-con. flooring, concrete foundation, on Union St. About $40,000. Private plans.

Mass., Willimansett—(Holyoke P. O.)—Stevens-Duryea Co., Chicopee Falls, soon lets contract building 1 story, brick, concrete and steel factory, concrete flooring and foundation, on 15 acre site, at Driving Park. About $800,000. Private plans.

N. Y., Niagara Falls—Carborundum Co., Buffalo Ave., soon receives bids building 2 story, 64 x 96 ft., rein.-con. addition to factory, No. 32, rein.-con. flooring. About $40,000. S. J. Call, c/o owner, engr.

N. J., Harrison—Driver—Harris, c/o Lockwood-Green, archts., 101 Park Ave., New York City, having plans prepared for 6 story, 80 x 200 ft. factory here, rein.-con. and steel, rein.-con. flooring, concrete foundation.

Pa., Overbrook—H. Trumbauer, archt., Land Title Bldg., Phila., soon lets contract building 3 story 65 x 100 ft., brick and concrete garage here, for M. Wood. About $30,000.

Md., Baltimore—Dewitz & Webb, archts., 232 St. Paul St., soon lets contract building 1 story, 60 x 200 ft., brick garage, cement concrete flobring, concrete foundation, on Chester and Madison Sts., for F. Rob, Raspeburg. About $55,000.

Md., Curtis Bay—(Baltimore P. O.)—Standard Guano Co., 1214 Continental Bldg., having plans prepared by P. S. Gilchrist, engr., Trust Bldg., Charlotte, N. C., for acid plant, on Aspen St. and Pennington Ave., here. Plans include four or five 1 story buildings, steel frame, concrete foundation. Cost, $300,-000, including 40 x 200 ft. wood pile and timber pier, for which bids are now in.

Md., Curtis Bay—(Baltimore P. O.)—W. E. Long, engr. and mgr. for Weyerhaeuser Timber Co., 1015 Lexington Bldg., Baltimore, preparing plans for lumber plant, at Old Quarantine Grounds, near here. Plans include five 76 x 900 ft. and one 30 x 900 ft., fireproof sheds, 480 ft. sorting shed, 156 x 500 ft. wood pile and timber pier and 2 smaller ones. About $500,000.

Tenn., Memphis—Quaker Oats Co., 80 East Jackson Blvd., Chicago, acquired 20 acre tract on South Parkway and Frisco & Calhoun R.R., here, and plans to build plant. Plans include 130 x 500 ft. main building and several other structures.

O., Berea—Village receives bids about Dec 30, building 1 story, 30 x 46 ft., steel and brick, light plant, brick and concrete foundation, on Main St. About $80,000. F. W. Ballard & Co., 811 Swetland Bldg., Cleveland, engrs.

O., Cincinnati—Multi-Color Type Co., 7th and Park Sts., plans to build 1 story, 250 x 300 ft. factory, on Parkway Ave. and Cincinnati, Hamilon & Dayton R.R. About $300,-000. Architect not selected. Work may be let without competition.

O., Cleveland—Lockwood, Greene & Co., archts. and engrs., Bangor Bldg., soon lets contract constructing 6 story, 80 x 240 ft. warehouse and boiler room, 2 story, 60 x 160 ft. factory addition, and 2 story, 150 x 180 ft. recreation building, all brick, concrete and steel, rein.-con. flooring, concrete foundation, on Haight Ave., for Joseph & Feiss Co., 632 St. Clair Ave. About $750,000.

Mich., Detroit—Mildner & Eisen, archts., 924 Hammond Bldg., soon let contract building 2 story, 135 x 150 ft., rein.-con., brick and steel foundry addition, rein.-con. flooring, concrete foundation, on Wight St., for Detroit Grey Iron Fdry. Co., Wight St.

Mich., Detroit—Smith, Hindman & Grylls, archts., 710 Washington Arcade, soon let contract building 3 story, 73 x 396 ft., rein.-con. brick and steel factory, rein.-con. flooring, concrete foundation, on Milwaukee and Moran Aves., for Hup Motor Car Co., Milwaukee Ave.

Wis., Milwaukee—Ford Motor Co., Highland Park, Mich., plans to build 5 story, brick, rein.-con. and steel addition to assembling plant, rein.-con. flooring, concrete foundation, on Prospect and Kenilworth Sts., here. About $1,000,000. Architect and engineer not decided.

Minn., St. Paul—U. S. Bedding Co., Arundel and Minnehaha Aves., soon lets contract building 2 story, 124 x 225 ft., rein.-con. steel, brick and stone factory and office, on Minnehaha and Western Aves. About $85,000. M. A. Wright, 600 Pittsburgh Bldg., archt.

BIDS DESIRED

O., Cleveland—Until Nov. 26, by Christian, Schwarzenberg & Gaede, archts., Euclid Bldg., constructing 3 story, 62 x 95 ft., concrete and brick factory, rein.-con. flooring, concrete and brick foundation, on West 25th St. and Meyers Ave., for Lion Knitting Mills Co., Whitney Blk. About $75,000. H. V Einstein, pres.

O., Cincinnati—Until Nov. 29, by E. Anderson, archt., Citizens Natl. Bank Bldg., constructing 2 story print shop, on McMillan St. and Reading Rd., for Proctor & Collier Co., Tribune Bldg. About $50,000.

O., Cleveland—Until Nov. 24, by Ultimate Tire & Rubber Co., Hippodrome Bldg., constructing 3 story, 80 x 262 ft., concrete, steel and brick factory, rein.-con. flooring, concrete foundation, on East 152nd St. About $200,000. W. S. Ferguson Co., 1900 Euclid Bldg., engrs. W. F. Ridge, Ohio Bldg., Akron, archt.

O., Cleveland—Until Nov. 24, by Colcher & Smith, archts., Lennox Bldg., constructing 1 story, 260 x 280 ft., concrete, steel and brick assembly building, rein.-con. flooring, concrete foundation, on Nottingham Rd., for Walker Motor Co., 8007 Euclid Ave. About $300,000.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

***Mass., Boston**—Rivet, Lathe & Grinding Co., Newton St., let contract building 3 story, 60 x 200 ft., rein.-con. factory, rein.-con. flooring, concrete foundation, on Brook St., to Aberthaw Constr. Co., School St. About $200,000.

***Mass., Charlestown**—(Boston P. O.)—E. J. Doherty, Jr., 48 Mt. Vernon St., will build 1 story, 100 x 250 ft., rein.-con. and steel garage, concrete flooring and foundation, on Main S. Work will be done by day labor. Steel work, let to Smith Iron Wks., 215-5th St., Chelsea; foundation to New England Foundation Co., 70 Kilby St., Boston. Total cost, $75,000.

***Mass., Northampton**—J. W. Riley, 13 Pleasant St., let contract building 1 story, 55 x 173 ft., brick and concrete garage, concrete flooring and foundation, on Pleasant St., to D. J. Sullivan, Paradise Rd. About $30,000. Noted Aug. 7.

***Mass., Pittsfield**—Eaton, Crane & Pike Paper Co., 75 South Church St., let contract building 5 story, brick and mill construction warehouse, concrete foundation, to S. M. Green Co., 293 Bridge St., Springfield. About $125,000.

***Mass., Springfield**—Tidewater Oil Sales Corp., 11 Bway., New York City, let contract building 1 story, warehouse, pump house, garage and oil plant, rein.-con., rein.-con. flooring and foundation, on Albany St., here, to J. G. White Eng. Co., 43 Exchange St., New York City. About $40,000.

***Mass., West Springfield**—(Springfield P. O.)—Springfield Body Co., 10 Bway., Springfield, let contract building 1 story, 100 x 300 ft., brick and concrete factory, rein.-con. flooring and foundation, on New Bridge St., here, to E. F. Carlson Co., 310 Main St., Springfield. About $100,000.

***Mass., Williamstown**—J. S. Boyd Co. will build 2 story, 50 x 160 ft. with 50 x 50 ft. ell, addition to weave shed and finishing mill, brick and steel. Work will be done by day labor. Steel contract let, to Bethlehem Steel Fabricators, Inc., Bethlehem, Pa.; erection of steel, to P. Bergmann, Boston. Total cost, $100,000. Noted Aug. 14.

***R. I., Providence**—Revere Rubber Co., Valley St., let contract building 2 story, 50 x 90 ft., rein.-con. factory, rein.-con. flooring, concrete foundation, to Cruise, Smiley Constr. Co., 12 East Ave., Pawtucket. About $100,000.

***Conn., Meriden**—New Departure Mfg. Co., 269 North Main St., Bristol, let contract building two 3 story, 82 x 302 ft. and two 1 story, 67 x 312 ft., rein.-con. factories, rein.-con. flooring, concrete foundation, to Aberthaw Constr. Co., School St., Boston, Mass. About $1,500,000. Noted Sept. 25.

•**N. Y., New York**—Marcus & Goldstein, Inc., 175 East 96th St., will build 1 story, 100 x 100 ft., brick and steel garage, rein.-con. flooring, concrete foundation, at 229 West 60th St. About $50,000. Work will be done by day labor.

•**N. Y., New York**—P. Viana, 505 Water St., will build 1 story, 99 x 100 ft., brick and steel garage, rein.-con. flooring, brick foundation, at 685-691 Lenox Ave. About $25,000. Work will be done by day labor.

•**N. Y., New York**—Vitreous Enameling & Stamping Co., Inc., 11 East 167th St., will build 1 story, 70 x 172 ft, brick and steel factory and garage, rein.-con. flooring, concrete foundation, on Sedgwick Ave. and 171st St. About $80,000. Work will be done by day labor. Noted Oct. 9.

•**N. J., Camden**—C. S. Haskell, Inc., 1520 Kater St., Phila., let contract building 2 story, 62 x 141 ft., concrete and brick factory, on Hudson Ave., to Barclay, White & Co., 1713 Sansom St., Phila.

•**N. J. Elizabeth**—Willys Corp. let contract constructing plant to Warren, Moore & Co., Colonial Trust Bldg., Phila. Main buildings to be 1, 2 and 4 story, 50 x 90 ft., 120 x 240 ft., 120 x 1440 ft. and 320 x 400 ft., rein.-con. and steel. Cost between $6,000,000 and $10,000,000.

•**Penn., Phila.**— Amer. Insulation Co., Roberts and Stokly Sts., let contract building 3 story, 60 x 90 ft., concrete warehouse, to W. Steele & Sons Co., 16th and Arch Sts. About $50,000.

•**Pa., Phila.**—J. Lover, c/o L. W. Levin, archt., 536 Ritner St., let contract building 1 story, 45 x 60 ft. and 45 x 70 ft., brick garage, at 3503-05 Ludlow St., to N. Litman, 2030 South 5th St. About $40,000.

•**Pa., Phila.**—Pennsylvania Forge Co., Jenks and Bath Sts., let contract building 1 story, 10 0x 200 ft., steel and concrete, rolling mill, to W. G. Donley Co., Drexel Bldg. About $30,000.

•**Pa., Phila.**—H. O. Wilbur & Sons, Inc., 235 North 3rd St., let contract building 7 story, 80 x 92 ft., rein.-con. and brick, power and warehouse, on 3rd and Race Sts., to Turner Constr. Co., 1713 Sansom St.

•**Penn., Phila.**—Winner Co., 2045 North 7th St., let contract building 2 story, 90 x 200 ft., stone, cement and concrete factory, on 32nd and Race Sts., to Mackle, McClelland Sons Co., Drexel Bldg. About $50,000.

•**Md., Curtis Bay**—(Baltimore P. O.)—Yale Underwear Co., 6 West Lombard St., let contract building 1 and 2 story, rein.-con. and brick factory, hall and office, concrete foundation, to Frainie Bros. & Haigley, 18 Clay St., Baltimore.

•**Md., Woodberry**—(Baltimore P. O.)—Mt. Vernon-Woodberry Mills, Inc., 506 Continental Bldg., Baltimore, let contract altering south end of Mill No. 3, here, concrete and brick, to Cogswell-Koether Co., 406 Park Ave., Baltimore.

S. C., Clinton—Clinton Cotton Mills let contract building 1 story, 100 x 132 ft. rein.-con. warehouse, to Fiske Carter Constr. Co., Greenville.

•**O., Cincinnati**—T. J. Corcoran Lamp Co., 4900 Spring Grove Ave., let contract building 4 story, 130 x 160 ft., fireproof addition to plant, on Spring Grove Ave. and Baltimore & Ohio Southwestern R.R., to Austin & Co., 16112 Euclid Ave., Cleveland. About $250,000.

•**O., Cleveland**—Air Reduction Co., West 69th St. and New York Central R.R., let contract building 2 story, 50 x 80 ft., concrete, steel and brick garage and machine shop, on West 69th St., to G. A. Rutherford Co., East 18th St. near Euclid Ave. About $25,000.

•**O., Cleveland**—Mechanical Rubber Co., Lisbon Rd., let contract building 5 story, 80 x 200 ft., concrete, steel and brick factory, rein.-con. flooring, concrete foundation, to Stone & Webster Co., 120 Bway., New York City. About $250,000.

•**O., Cleveland**—Superior Brick Co., 311 Natl. City Bldg., will construct plant on Jennings Rd., to include several 1 story, steel and brick buildings of various sizes, brick foundation. About $300,000. Work will be done by day labor.

•**O., Columbus**—Amer. Zinc, Lead & Smelting Co., Pierce Bldg., St. Louis, Mo., will build zinc oxide plant, on Windsor Ave. Plans include several various sized buildings. Work will be done by day labor.

•**O., Columbus**—G. Bobbs & Sons Co., 260 East Naghten St., let contract constructing 5 story, 94 x 178 ft., rein.-con. wholesale building, including 40 x 94 ft. cold storage plant, on North Front St., to E. H. Latham & Co., Columbus Savings & Trust Bldg. About $190,000. Noted Oct. 16.

•**O., Columbus**—Crystal Ice Co., West Broad St., let contract constructing 36 x 37 ft. storage building, 40 f. high, to R. H. Evans & Co., Columbus Savings & Trust Bldgg. About $50,000.

•**O., Dayton**—Maxwell Motor Co., Leo St., let contract building 45 x 60 ft., brick, boiler house and 1 story, 100 x 120 ft., rein.-con. factory, rein.-con. flooring, concrete foundation, to Blanchard Bldg. Co., Chapel Rd., cost $10,000 and $25,000 respectively.

•**O., Lakewood**—(Cleveland P. O.)—Natl. Carbon Co., West 117th St. and Madison Ave., let contract building 3 story, 80 x 280 ft., rein.-con. and brick factory and office, rein.-con. flooring, concrete foundation, on West 117th S. to J. W. Cowper Co., Fidelity Bldg., Buffalo. About $200,000.

•**O., Toledo**—E. H. Close Co., 513 Madison Ave., will build 1 and 2 story, 26 x 50 x 158 ft., brick garage, at 91113 Cherry St. About $50,000. Work will be done by day labor.

•**Mich., Detroit**—Gray Estate, Hammond Bldg., let contract building 2 story, 140 x 189 ft., rein.-con., brick and steel garage and sales room, rein.-con. flooring, concrete foundation, on Antoinette and Cass Aves., to F. H. Davis, Penobscot Bldg. About $150,000. Noted Oct. 30.

•**Mich., Battle Creek**—Battle Creek Paper Co. let contract building 2 story, 110 x 210 ft., rein.-con. and brick addition to factory, rein.-con. flooring, concrete foundation, at 81 Garrison St., to Witherspoon & Englar, 53 West Jackson Blvd., Chicago. About $175,000.

•**Mich., Detroit**—Eastern Motor Sales Co., Grand River Ave., let contract building 6 story, 100 x 150 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, on Grand River and Cass Aves., to M. Bartholomael Son & Co., 466 Warren Ave., E. About $200,000.

Mich., Detroit—Eastern Motor Sales Co., 404 Gratiot Ave., let contract building 3 story, 115 x 143 ft., rein.-con., brick and steel service station, rein.-con. flooring, concrete foundation, on Gratiot Ave., to O. Misch Co., Chamber Commerce Bldg. About $50,000.

•**Mich., Detroit**—Tivoli Brewing Co., 1555 Mack Ave., let contract building 2 story, 60 x 100 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, on Mack Ave., to O. Misch Co., Chamber Commerce Bldg. About $45,000. Noted Sept. 18.

•**Mich., Detroit**—Young Bros., Franklin St., let contract building 1 story, 105 x 200 ft., rein.-con., brick and steel heating plant, concrete foundation, to Ernst Bros, Bagg St. Noted Oct. 23.

Mich., Royal Oak—Baker Land Co. received bids trenching, laying pipe, and fitting water system complete in Meadowcrest Subdivision, involving 12,049 ft. 6-8 in. pipe, 47 6-8 in. valves, 47 valve boxes and 5 hydrants, from T. C Brooks & Son, West Grand Blvd., Detroit, $26,490, Monie-Dunbar Co., Chemical Bldg., St. Louis, Mo., $27,567, R. D. Baker 1454 Penobscot Bldg., Detroit, $28,858.

•**Ill., Amboy**—Amboy Milk Products Co. let contract building 2 story, 97-152 ft., brick and mill construction, condensory, rein.-con. flooring, concrete foundation, to Appleton Constr. Co., Odd Fellows Bldg., Appleton, Wis. About $100,000.

•**Ill., Chicago**—Northwestern Terra Cotta Co., 2525 Clybourne Ave., let contract constructing 3 story, 84 x 325 ft. and three 1 story 240 x 325 ft., 145 x 155 ft. and 48 x 58 ft. buildings, brick and concrete, rein.-con. flooring, concrete foundation, on Clybourne Ave. near Western Ave., to G. F. Meyne, 127 North Dearborn St. About $225,000.

•**Ill., Rockford**—Burd High Compression Ring Co., 23rd Ave. and 10th St., let contract building 80 x 90 ft. foundry with 20 x 20 ft. cupola, to Austin Co., 16,112 Euclid Ave., Cleveland, O. About $35,000. (60 working days).

•**Wis., Kiel**—Stoelting Bros. Co. let contract building 1 story, 40 x 50 ft. and 70 x 175 ft. brick and steel factory, concrete foundation, to Hutter Constr. Co., 128 Western Ave., Fond du Lac. Noted Nov. 6.

•**Wis., Milwaukee**—Bender-Zimmer Co., 1530 Galena St., let contract building 1 story, 90 x 118 ft. factory, concrete foundation, on 21st and Lloyd Sts., to Bentley Bros., 609 Majestic Bldg. About $25,000.

•**Minn., Duluth**—Holstead & Sullivan archts. and engrs., Palladio Bldg., let contract to Jacobson Bros., 410 Columbia Bldg., constructing 1 story, 75 x 100 ft., rein.-con., brick and stone garage and salesroom, rein.-con. flooring, concrete foundation, on East Superior St. and 5th Ave., for Pioneer Automobile Co., 328 East Superior St., $41,050.

•**Mo., St. Joseph**—Douglas Candy Co., 217 South 2nd St., let contract building 4 story, 40 x 140 ft., concrete, steel and brick factory, concrete foundation, to E. H. Lawhon Constr. Co., 905 Edmond St. About $60,000.

•**Mo., St. Joseph**—St. Joseph Pub. Elevator Co., Corby Bldg., let contract constructing 60 x 90 ft., rein.-con. and steel elevator, 184 ft. high, rein.-con. flooring, concrete foundation, to Lehr Constr. Co., 1712 Frederick Ave. About $225,000.

•**Tex., Houston**—Mack Mfg. Co., Ltd., 821 Kress Bldg., let contract building 1 to 3 story, rein.-con. plant, to include foundry, machine, forge and pattern shops, warehouse and office, to W. C. Hedrick Contg. Co., Houston.

•**Tex., San Antonio**—Magnolia Petroleum Co., Bedell Bldg., let contract building 1 story filling station, at 418 Pecan St., to Coleman & Jenkins, Gibbs Bldg. About $52,000. Noted July 10.

•**Tex., San Jose**—Stroud Mfg. Assn. let contract building several auto factories, concrete, steel and iron, power plant and foundry, also residences for employees, to Bartlett & Ranney, Chandler Bldg., San Antonio. About $550,000.

•**Colo., Denver**—MacFarland Auto Co., 25 East Colfax Ave., let general contract building 2 story, 125 x 125 ft., warehouse and garage, to W. Tamminger, 1301 South Washington St., $121,450.

•**Ore., Portland**—Portland News, 325 5th St., let contract constructing 2 story, 50 x 100 ft., brick, publishing plant, on 5th and Main Sts., to Zanello Bros., Builders Exch. About $35,000.

BUILDINGS

PROPOSED WORK

Mass., Boston— Bank — Merchants Natl. Bank, 28 State St., soon receives bids building 5 story, 54 x 222 ft. rein.-con. and limestone addition, rein.-con. flooring, concrete foundation, on Devonshire St. About $500,000. Coolidge & Shattuck, 122 Ames Bldg., archts.

Mass., Boston—Chapel—Emanuel Church Society, Newbury St., receives bids in spring building 1 story, 25 x 105 ft. memorial chapel, concrete and Indiana limestone, concrete foundation. Allen & Collens, 40 Central St., archts.

Mass., Boston—Office—A. R. Rosenthal, 1035 O. S. Bldg., having plans prepared by Monks & Johnson, archts. and engrs., 99 Federal St., for 11 story, 90 x 90 ft., rein.-con. and steel, rein.-con. flooring, concrete foundation, on Kneeland St. and Atlantic Ave. About $1,000,000.

N. Y., New York—Bank—Federal Reserve Bank, 15 Nassau St., having plans prepared by York & Sawyer, archts. and engrs., 50 East 41st St., for brick, steel, stone and marble, brick foundation, on Maiden Lane, Nassau, Liberty and William Sts. About $2,500,000.

N. J., Atlantic City—Store—Braustein & Blatt, 1420 Atlantic Ave., soon let contract building 8 story, 110 x 150 ft., concrete and brick. Cost to exceed $50,000. Price & McLanahan, Belevue Court, Phila., archts.

O., Columbus—Y. M. C. A., 36 South 3rd St., rejected bids received Oct. 24, building 7 story, 187 x 187 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on Long and Front Sts. About $160,000. Noted Oct. 16.

O., Middletown—Bank—Werner & Atkins, archts., Mitchell Bldg., Cincinnati, receive bids about Dec. 1, building 7 story, 50 x 130 ft., steel, brick and terra cotta, for 1st Natl. Bank, 3rd and Main Sts. About $400,000.

O., Wilmington—Bank—Werner & Atkins, archts., Mitchell Bldg., Cincinnati, receive bids about Dec. 1, building 1 story, steel, brick, stone and terra cotta, for 1st Natl. Bank. About $100,000. Noted Sept. 18.

Mich., Detroit—Hospital—Bd. Health, 233 Antoine St., retained A. Kahn, archt., Marquette Bldg., to prepare plans and estimates for 4 or 6 story, rein.-con., brick and steel, addition to H. Kiefer Hospital, on Hamilton Blvd. and Blaine Ave., rein.-con. flooring, concrete foundation. About $1,000,000. Noted Nov. 13.

Mich., Detroit—Theatre—H. C. Keywell, 501 Old Whitney Bldg., having plans prepared by M. H. Finkell, archt., 303 Chamber Commerce, for 2 story, 38 x 115 x 190 ft., brick and steel, rein.-con. flooring concrete foundation, on Grand River Ave About $90,000.

Mich., Highland Park—(Detroit P. O.)—School—Bd. Educ., soon lets contract building 2 story, rein.-con. and brick addition to Willard School, rein.-con. flooring, concrete foundation, on Waverly Ave. and Hamilton Blvd. About $300,000. Butterfield & Butterfield, David Whitney Bldg., Detroit, archts. W. H. Adams, Vinton Bldg., Detroit, engr.

Mich., Royal Oak—High School—Dist. No. 9 soon lets contract building 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Woodward Ave. and Nine Mile Rd., Ferndale Village. About $90,000. G. M. Parsons, Box 574, Detroit, secy., W. J. Fisher, Pontiac, engr., C. A. Fisher, Pontiac, archt.

Wis., Watertown—Home—Lutheran Home for Feeble Minded receives bids in winter, building 2 story, 60 x 100 ft. rein.-con. and brick, rein.-con. flooring concrete foundation. About $65,000. R. A. Messmer & Bro., Majestic Bldg., Milwaukee, archts. and engrs. Noted Mar. 6.

Ia., Marshalltown—Fidelity Savings Bank soon lets contract remodeling 2 story, concrete, brick and steel, concrete foundation

About $60,000. H. E. Reimer, Marshalltown, archt.

Minn., Chisholm—Recreation—City soon lets contract building 2 story, 250 x 300 ft., rein.-con., steel and brick, rein.-con. flooring, on West Lake Ave. About $375,000. A. Puck, Torrey Bldg., Duluth, engr. and archt.

Minn., Duluth—Home—J. J. Wagenstein, archt. and engr., Providence Bldg., receives bids about Jan. 2, building 3 story, 40 x 104 ft., brick and stucco, rein.-con. flooring, concrete foundation, on 19th Ave. E. and Blvd., for Aftenro Society. About $50,000. H. P. Bjorge, 1525 Woodland Ave., pres.

Minn., St. Paul—Hotel—F. Driscoll, Hook 'Em Cow Hotel, soon lets contract building 2 story, 140 x 180 ft., rein.-con. and brick addition, on Concord St. About $60,000. Private plans.

Kan., Hutchinson—School—Bd. Educ. soon lets contract building 3 story, 62 x 82 ft. school, to be known as Pershing School, brick, concrete and steel, concrete foundation. About $60,000. W. E. Hulse & Co., Hutchinson, archts.

Wyo., Sheridan—Bank and Office—Whitney Estate receives bids about Jan. 15, building 5 story, 66 x 125 ft. rein.-con. Link & Haire, 317 Electric Bldg., Billings, Mont., archts.

Mont., Billings—Store—P. Behrendt, 211 North 26th St., receives bids about Mar. 1, building 2 story, 75 x 140 ft., on 1st Ave. and 26th St. About $50,000. Link & Haire, 317 Electric Bldg., archts.

Mo., Carthage—Hotel—Stock Co. c/o Chamber of Commerce, having plans prepared by Sheppard, Farrar & Wiser, archts., R. A. Long Bldg., Kansas City, for 4 story, 75 x 132 ft., rein.-con., steel, brick and stone, on 4th and Howard Sts. About $150,000.

Mo., Columbia—Hospital—Boone Co. Hospital Bd. having plans prepared by Farrar & Wiser, archts., Kansas City, for 3 story, 40 x 125 ft., rein.-con., brick and stone. About $100,000.

Mo., Fulton—Academy—William Woods College having sketches prepared by Holmes & Flinn, archts., 18 South Dearborn St., Chicago, for 3 story, 65 x 140 ft., concrete and brick. About $85,000.

Tex., Austin—Church—Trustees University Baptist Church receives bids about Nov. 20, completing 1 story, 90 x 114 ft. rein.-con. and steel, on 22nd and Guadalupe Sts. About $70,000. R. L. Thomas, 806 Littlefield Bldg., archt. Foundation, basement and wings completed.

Cal., Arcadia—School—Trustees Arcadia School Dist. having plans prepared by N. F. Marsh, archt., 211 Bway. Central Bldg., Los Angeles for brick, hollow tile or concrete. About $50,000. Noted July 10.

Cal., Berkeley—High School—Bd. Educ. having plans prepared by W. C. Hays, archt., 1st Natl. Bank Bldg., San Francisco, for high school on Grove St. About $750,000.

Cal., Fresno—Hotel—S. N. Griffith, Fresno, having plans prepared by Glass & Butner, archts., Rupublican Bldg., for 6 story, rein.-con. containing 350 rooms, on Mariposa and M Sts. About $400,000.

Cal., Glendale—School—Bd. Educ. having plans prepared by Jeffery & Schaefer, archts., 1104 Kerckhoff Bldg., Los Angeles, for 8 room, hollow tile and plaster, on Bway., cost $72,500; addition to intermediate school, $10,000; 2 kindergarten bungalows $3700.

Cal., Modesto—Store—W. S. Thompson Co. having plans prepared by Walker & Eisen, archts., Hibernian Bldg., Los Angeles, for 2 story, 100 x 100 ft. rein.-con. and brick, on 10th St. About $100,000.

Cal., Modesto—Theatre—Pacific Theatre & Realty Co., c/o Reid Bros., archts., California Pacific Bldg., San Francisco, having plans prepared for 1 story, 100 x 140 ft., rein.-con. and brick, on 10th St. About $100,000.

Cal., Oakland—Hospital—California Memorial Hospital having plans prepared by C. Werner, archt., 785 Market St., San Francisco, for hospital, (to accommodate 250 patients) in Diamond Canyon, head of Fruitvale Ave. About $350,000.

Cal., San Francisco—Office and Store—W. M. Fitzbugh, Mills Bldg., having plans prepared by Bakewell & Brown, archts., 251 Kearny St., for 10 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Post and Powell Sts. About $400,000.

Ont., Windsor—School—A. H. McPhail, archt., Bd. Trade Bldg., soon lets contract building 3 story, 215 x 230 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Giles Blvd., for Bd. Educ., LaBelle Bldg. About $400,000.

BIDS DESIRED

S. C., Greenville—School—Until Dec. 1, by J. E. Sirrine, engr., Greenville, building 4 story, 80 x 250 ft. brick and concrete, for Furman University.

Ky., Frankfort—Hotel—Until Dec. 1, by Capitol Hotel Co., building 5 story, rein.-con. and stone. About $200,000. C. C. Weber, 3rd and Walnut Sts., Cincinnati, archt.

O., Akron—Hotel—Until Dec. 1, by Dittoe, Fahnestock & Ferber, archts., 18 West 7th St., Cincinnai, building 3 story, brick, for J. H. Wiener, 708 Diagonal Rd. About $200,000.

O., Cincinnati—School—Until Nov. 29, by W. D. Handman, business mgr. bd. educ., W. D. Handman, business mgr. Bd. Educ., building 1 story, 62 x 135 ft., brick, on Herchell Ave. About $60,000. Tietig & Lee, 4th Natl. Bank Bldg., archts.

O., Cincinnati—School—Until Nov. 22, by W. D. Handman, business mgr. bd. educ., building 3 story, 135 x 300 ft., rein.-con. and brick, on 7th and Barr Sts. About $725,000.

O., Cleveland—Commercial and Theatre—Crawford Hough Bldg. Co., Williamson Bldg., receiving bids building 2 story, 112 x 140 ft., concrete, steel and brick, concrete foundation, on East 84th St. and Hough Ave. About $200,000. J. J. Dowling, secy. J. T. Brennan, 1298 West 108th St., archt.

O., East Cleveland—(Cleveland P. O.)—Hospital—City receiving bids building 3 story, 80 x 260 ft., concrete, steel and brick, rein.-con. flooringg, concrete foundation, on Euclid Ave. About $250,000. C. M. Osborne, city mgr. W. Hirsh, Euclid Bldg., Cleveland, archt.

O., Owensville—Church—Until Dec. 10, by J. C. Grunkemeyer, archt., 1717 Eastern Ave., building 45 x 92 ft. church and brick chapel, for St. Louis Church.

Mich., Detroit—Bank and Office—Until Nov. 26, by A. Kahn, archt., Marquette Bldg., for 24 story, 186 x 100 ft. and x 169 ft., brick, stone and steel, rein.-con. flooringg, concrete foundation, on Woodward Ave. and Cadillac Sq., for 1st and Old Detroit Natl. Bank, Ford Bldg. About $2,500,000. Noted April 10.

Minn., Minneapolis—Office—Until Jan. 20, by Chamber of Commerce, 4th Ave. and 3rd St., building 12 story, 12 x 12 x 195 ft., rein.-con. About $1,000,000. Bertrand & Chamberlain, North West Bank Bldg., archts. Noted June 12.

N. M., Las Vegas—College—Until Nov. 25, by Bd. Regents New Mexico Normal University, 820 Main Ave., constructing 2 buildings at university. About $250,000. E. W. Hart, 14 Crockett Bldg., archt.

PRICES AND CONTRACTS AWARDED

(*Indicates award of contract)

***Mass., Beverly**—Theatre and Business—Ware Theatres, Inc., let contract building 2 story, 98 x 145 ft., brick and steel, concrete foundation, on Judson St., to J. Bowen, 184 Dudley St., Roxbury. About $80,000.

***Mass., Boston**—Bank and Office—First Natl. Bank, 70 Federal St., let contract building 108 x 171 ft., brick, rein.-con. and steel, rein.-con. flooring, brick and concrete foundation, on Milk St., to Stone & Webster Eng. Corp., 147 Milk St. About $2,000,000. Noted Aug. 7.

***Mass., Boston**—Office—First Natl. Bank, 70 Federal St., let contract building 170 x 250 ft., stone and rein.-con., rein.-con. flooring, concrete foundation, on Milk St., to Stone & Webster Corp., Milk St. About $1,500,000.

***Mass., Boston**—Theatre—O. F. Farley, Jr., 27 State St., let contract building 2 story, 200 x 200 ft., brick and concrete, concrete flooring and foundation, on West Bway., to F. T. Ley & Co., Inc., 185 Devonshire St. About $300,000. Noted May 15.

***Mass., Cambridge**—Educational—Massachusetts Institute of Technology let contract constructing, 3 story, 60 x 175 ft., rein.-con., rein.-con. flooring, concrete foundation, on Charles River Ave., to be known as Pratt Memorial Bldg., to Stone & Webster, Milk St., Boston, cost plus percentage basis. About $750,000 available.

***Conn., Bristol**—Club—New Departure Mfg. Co., 269 North Main St., let contract building 6 story, on Center and North Main Sts., to include cafeteria, bowling alley, pool and billiard rooms, etc., to Aberthaw Constr. Co., School St., Boston, Mass. About $350,000.

***N. Y., Coney Island**—Bank—Bank of Coney Island, Surf Ave., let contract building 1 story, brick, steel and stone, brick foundation, on 25th St. and Surf Ave., to F. G. Fearon, 280 Madison Ave., New York City. About $75,000.

***N. Y., New York**—Sales and Office—Renwick, Aspinwall & Tucker, archts. and engrs., 8 West 40th St. let contract to T. J. Murphy, 405 Lexington Ave., altering 5 story, brick and steel, on Park Ave. and 57th St., for H. Collins, 9 East 57th St. About $50,000. Noted Oct. 30.

***N. Y., New York**—Showroom and Office—J. Tishman & Sons, 18 East 41st St., will build 16 story, steel and stone, brick foundation, at 19 West 37th St. About $1,200,000. Work will be done by day labor.

***N. Y., New York**—Stores and Offices—M. J. Harrison, archt. and engr., 63 Park Row, let contract to I. Roth, 35 Nassau St., building 3 story, brick and steel, [illegible] foundation, at 128 West 30th St., for S. Manning, c/o architect. About $50,000. Noted Oct. 30.

***N. Y., New York**—Theatre—C. S[illegible] New 14th St. Theatre, 235 East 14th St., will build brick and steel, brick foundation, on 2nd Ave. and 9th St. About $300,000. Work will be done by day labor.

***N. Y., Niagara Falls**—School—Bd. Educ. let contract building 2 story, 60 x 308 ft. rein.-con., rein.-con. flooring, concrete foundation, on Niagara St., to Wright & Kremers, Gluck Bldg., $104,200.

***N Y., Rockaway Beach**—Stores and Offices—F. Hallfeld, c/o M. A. Cantor, archt. and engr., 371 Fulton St., Brooklyn, let contract building 2 story, 92 x 97 ft., brick and steel brick foundation, on Rockaway Beach Blvd. to H. Sprung, 126 West 118th St., New York City.

***N. J., Asbury Park**—Store—W. Steinbach, Cookman and Bangs Aves., let contract building 1 story, brick and steel addition to store, brick founation, to Chamberlain & Sons, Asbury Park. About $100,000. Noted Nov. 13.

***N. J., Atlantic City**—Hotel—Ambassador Hotel let contract building brick, steel and stone addition, brick foundation, to Thompson-Starrett, 49 Wall St., New York City. About $3,000,000.

***N. J., Atlantic City**—Hotel and Store—Leeds, Lippincott Co. let contract building 14 story, 132 x 145 ft., concrete, brick and steel addition to Haddon Hall, North Carolina St. and Boardwalk, to Roydhouse-Arey Co., 112 North Broad St., Phila. About $3,000,000.

***N. J. Camden**—School—St. Joseph's Church, 10th and Liberty Sts., let contract building 2 story, 65 x 100 ft., rein.-con. brick an steel, at 1020 Liberty St., to G. C. Dietrich, Riverside. About $50,000.

***N. J., Newark**—Exchange—New York Telephone Co., 15 Dey St., New York City, let contract building 3 story, 100 x 200 ft. on South Orange and Morris Aves., here, to Amer. Concrete Steel Co., 27 Clinton St. About $100,000. Incorrectly noted in our issue of Sept. 11.

***N. J., Newark**—Store and Office—Feist & Feist will build 3 sory, brick and steel, brick foundation, on Broad and Center Sts. About $100,000. Work will be done by day labor. U. S. Cigar Stores, 44 West 18th St., New York City, lessee.

***N. J., South Amboy**—Bank—First Natl. Bank let contract building 1 story, brick, stone and steel, brick foundation, to A. J. Robinson, 15 West 38th St., New York City. About $55,000.

***N. J., Trenton**—School—Bd. Educ. let contract building 3 story, brick and stone addition to Jefferson School, Brunswick Ave., to T. Day, 1109 Greenwood Ave., $206,587. Noted July 10.

***N. J., Trenton**—Theatre—W. J. Vernon, St. Regis Bldg., received only bid building 1 story, 90 x 174 ft., brick and steel, on South Broad St., from R. J. Clark, 43 Passaic St. Estimated cost, $150,000. Noted Sept. 18.

***Pa., Phila.**—Office—Fidelity Mutual Life Insurance Co., 112 North Broad St., let contract building 5 story, 38 x 55 ft., rein.-con. and brick addition, to Roydhouse-Arey Co. 112 North Broad St. About $75,000.

***Del., Wilmington**—Theatre—West End Amusement Co. will build 1 story, 40 x 150 ft., brick, steel, concrete and terra cotta on Union St. between 3rd and 4th Sts. About $50,000. Work will be done by day labor.

***Md., Baltimore**—Lodge—Knights of Pythias, Gay and Lexington Sts., let contract building 3 story, 60 166 ft., rein.-con., steel and brick, concrete foundation, on McCulloh and Preston Sts., to Childs & Miller, 2201 Calvert St. About $175,000.

***D. C., Washington**—Hotel and Terminal—Washington, Baltimore & Annapolis Electric R.R., Liberty and Marion Sts., Baltimore, let contract building 11 story, 200 x 200 ft. steel, brick and stone, concrete foundation on 11th and 12th Sts. and New York Ave. here, to F. C. Lewin, 616 12th St. N. W. About $1,500,000.

***O., Cleveland**—Theatre—M. Loew, 1492 Bway, New York City, let contract building 1 story, 96 x 130 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation on East 101st St. and Euclid Ave., here, to Craig-Curtiss Co., Guardian Bldg. About $250,000.

***O., Wharton**—School—Bd. Educ. let general contract building 2 story, 60 x 90 ft., concrete and brick, to C. M. Cress, Upper Sandusky. About $60,000.

***Mich., Detroit**—Hospital—Grace Hospital Willis Ave., let contract building 4 story, 35 x 70 ft., rein.-con. brick and steel addition, rein.-con. flooring, concrete foundation, on Willis Ave. and John R St., to O. Misch Co., Chamber Commerce Bldg. About $75,000. Noted Aug. 21.

*Mich., **Detroit**—Hospital—Providence Hospital, West Grand Blvd., let contract building 4 story, 75 x 75 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to J. Finn & Co., 234 Fort St., E. About $75,000. Noted Aug. 21.

*Mich., **Detroit**—Hotel—J. McE. Bowman, Hotel Biltmore, New York City, let contract building 23 story, 120 x 255 ft., brick, steel and stone, brick foundation, on Madison Ave., to G. A. Fuller, Penobscot Bldg. About $5,000,000.

*Mich., **Detroit**—Hotel—W. J. Brown, 193 Woodward Ave., let masonry contract building 4 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Cass Ave. and West Columbia St., to N. Greenblatt, 187 Division St.; steel, to Detroit Metal & Steel Co., 1st and Congress Sts. About $200,000. Noted Aug. 7.

*Mich., **Detroit**—Hotel—M. Kunstler, 394 Virginia Park, let contract building 4 story, 50 x 90 ft., rein.-con., brick and steel, concrete foundation, on Adams Ave., to H. Greenblatt, 185 Division St. About $150,000. Noted Nov. 13.

*Mich., **Detroit**—Market—H. Myers c/o R. Finn, archt., 435 Woodward Ave., let contract building 2 story, 70 x 130 ft., brick and steel, rein.-con. flooring, concrete foundation, on Riopelle and Winder Sts., to Pine & Munnecke Co., 115-117 State St. About $55,000.

*Mich., **Detroit**—Schools—Bd. Educ., 50 Bway. Ave., let contract building (a) Angell School, (b) addition to Carstens School, (c) addition to Trowbridge School, (d) Clippert open air school, (e) Davison Annex open air school, (1) masonry, (2) carpentry, (3) heating, ventilating and plumbing, (4) general specifications, to J. Bollin Co., 906 Bellevue Ave., (a1) $79,000; E. Thiede, 287 Berlin St., (a2) $20,900, (b2) $25,350, (c2) $15,500; J. W. Partlan, 51 Park Pl. (a3) $43,890, (c3) $36,833; W. H. Mueller, Ford Bldg., (b1) $99,700; W. J. Renoldt, 506 Owen Bldg., (b3) $51,051; M. A. Mahoney, Penobscot Bldg., (c1) $68,800; H. M. Martens Co., 221 Moffat Bldg., (d4) $25,780, (e4) $28,740; Irvine & Meier, 2289 Woodward Ave., (d3) $6512, (e3) $7393. Noted Sept. 25.

*Mich., **Detroit**—Theatre—La Salle Garden Theatre Co., c/o C. W. Brandt, archt., 1113 Kresge Bldg., let contract building 2 story, 160 x 124 ft., rein.-con. brick and steel, rein.-con. flooring, concrete foundation, on 14th Ave. and Ferry Park, to F. Farmington Co., 201 Scherer Bldg. About $150,000, cost plus percentage basis.

*Mich., **Flint**—School—Bd. Educ. let contract building 2 story, 102 x 179 ft., concrete and brick rein.-con. flooring, concrete foundation, on Saginaw St. and Clayton Ave., to Burk & Smith, Flint, $240,000.

*Mich., **Grand Rapids**—Convent—Dominican Sisters let contract building 3 and 4 story, 46 x 232 ft., 58 x 175 ft., 64 x 120 ft., 34 x 174 ft. and 24 x 37 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, to J. McNabb & Son, Grand Rapids. About $350,000.

*Mich., **Highland Park**—School—Bd. Educ. let contract building 3 story, 38 x 215 ft., rein.-con., brick and stone addition, rein.-con. and wood flooring, concrete foundation, on Hamilton Blvd. and Waverly Ave., to Bryant & Detwiler Co., Dime Bank Bldg., Detroit. About $300,000. Noted Nov. 13.

*Mich., **Muskegon**—Office—R. W. Judson & B. Tobin, c/o Continental Motor Co., let contract building 2 story, 80 x 132 ft., brick, steel and terra cotta, on Western Ave., and 3rd St. to Natl Contsr. Co., 1026 Dime Bank Bldg., Detroit. About $85,000.

*Mich., **Oakwood**—(Oxford P. O.)—School Bd. Educ. will build 2 story, 85 x 200 ft., rein.-con., brick and steel, rein.-con flooring, concrete foundation. Work will be done by day labor under supervision of F. R. Patterson, c/o Van Leyan, Schilling & Keough, 1115 Union Trust Bldg., Detroit. About $230,000. Noted Sept. 11.

*Mich., **Puritan**—School—Bd. Educ. let contract building 2 story, 72 x 136 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, to H. Gundlach, Houghton. About $140,000.

*Mich., **Pontiac**—School—Bd. Educ. let contract building 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on West Huron S., to W. H. Isgriss & Sons, Pontiac. About $270,000; cost plus percentage basis. Noted July 24.

*Mich., **St. Louis**—School—Bd. Educ. let contract building 2 story, 80 x 107 ft., brick, stone and steel addition, concrete foundation, to C. A. Bernard, St. Louis. About $50,000. Noted Sept. 11.

*Wis., **Milwaukee**—Bank and Office—Layton Park State Bank let contract building 2 story, 60 x 85 ft., rein.-con. and brick, on 23rd St. and Forest Home Ave., to G. E. Kahn, 418 Caswell Blk. About $50,000.

*Wis., **Neenah**—Bank—First Natl. Bank, 100 West Wisconsin Ave., let contract building 1 story, 41 x 84 ft., concrete and stone, rein.-con. flooring, concrete foundation, to C. R. Meyers & Son, 50 State St., Oshkosh About $100,000. Noted July 31.

*Wis., **St. Francis**—Church and School—Paul's Catholic Church, 866 Racine St., Milwaukee, let contract building 1 story 60 x 165 ft rein.-con. and brick, rein.-con. flooring, concrete foundation, here, to G. E. Kahn, 418 Caswell Blk., Milwaukee. About $50,000.

*Ia., **Cedar Falls**—Store—Bennison Dry Goods Co. will build 3 story, 44 x 100 ft. brick. Work will be done by day labor.

*Ia., **Cedar Rapids**—Hotel—Montrose Hotel Co., 223-3rd Ave., let general contract building 1 story, 120 x 140 ft. brick, rein.-con. and stone, rein.-con. flooring, to Stevens Eng. Co., Chicago, Ill. About $200,000; cost plus percentage basis.

*Ia., **Muscatine**—Temple—Masonic Lodge let contract building 3 story, 55 x 120 ft., brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to C. Franklin, 510 South Gilbert St., Iowa City. About $120,000. Noted Nov. 6.

*Ia., **Waterloo**—Auto Sales—Repass Clark Co., 217-19 W. 5th St., let contract building 2 story, 128 x 140 ft. brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to H. A. Maine & Co., 305-6-7 Marsh Pl. Bldg. About $125,000; cost plus percentage basis.

*Minn., **Balaton**—School—Bd. Educ. let contract building 2 story, 60 x 90 ft., brick, to Carlsted Bros., 542 Builders Exch., Minneapolis, $65,474. Noted Sept. 18.

*Minn., **Biwabik**—High School—Independent School Dist. No. 24 let contract building 2 story, 106 x 111 ft., rein.-con., steel and brick, to L. J. Klippen, 1832 East 6th St., Duluth. About $102,000.

*Minn., **Hibbing**—Bank—First Natl. Bank, 301-3rd Ave., let contract building 2 story, 105 x 125 ft., to A. Moorman & Co., Chamber of Commerce Bldg., St. Paul. About $150,000.

*Minn., **Princeton**—School—Bd. Educ. let contract building 2 story, 75 x 126 ft., to Evenson & Utterberg, Builders Exch., Minneapolis, $51,000. Noted Aug. 14.

*Minn., **St. Paul**—Hotel and Theatre—Toltz, King & Day, archts., Pioneer Bldg., let contract to F. J. Romer Constr. Co., 190 Ramsey St., building 16 story, rein.-con. and brick, rein.-con. flooring, rock foundation, on St. Peter St., for Hamm, Ruben & Finkelstein, Palace Theatre. About $1,000,000, cost plus percentage basis. Noted Aug. 14.

*Kan., **Junction City**—Hospital—City let contract building 2 story brick, rein.-con. flooring, brick foundation, to G. E. Dalton, Junction City. About $70,000. Noted July 10.

*Kan., **Ottawa**—Auditorium—City let contract building 2 story, 75 x 135 ft. brick, rein.-con. flooring, brick and concrete foundation, to J. L. Zollars, Independence. About $72,800. Noted Sept. 11.

*Kan., **Tipton**—High School—Catholic Church, c/o C. Meing, let contract building 2 story, rein.-con., steel and brick, concrete foundation, to W. N. Penland, Osborne. About $55,000.

*Kan., **Wichita**—Business—W. B. Harrison & Co. let contract building 2 story, 50 x 160 ft. brick, concrete and steel, concrete foundation, to G. H. Siedhoff, Wichita. About $50,000.

*Kan., **Winfield**—Bank—First Natl. Bank let contract altering bank, brick, steel, marble and stone, to Hoggson Bros., 485-5th Ave. New York City. About $150,000.

*Tex., **Ft. Worth**—Office and Bank—Farmers & Mechanics Natl. Bank, 712-14 Main St., let contract building 24 story, 100 x 100 ft., steel, concrete, terra cotta and brick, concrete, brick and rock foundation, on Main and 7th Sts., to Westlake Constr. Co., 717 Locust St., St. Louis, Mo. Noted Aug. 14.

*Tex., **Houston**—School—School Bd. let contract building 3 story, brick, concrete and stone, on 20th Ave. and Blvd., to Horton & Horton, McKinney and Velasco Sts., $153,400.

*Okla., **Blackwell**—Hotel—H. C. Ferriman let contract building 4 story, 90 x 100 ft rein.-con., steel and brick, rein.-con flooring, rock and concrete foundation, to F. P. McClure Constr. Co., Kansas City, Mo. About $250,000.

*Okla., **Elk City**—High School—Bd. Educ let general contract building 2 story, 60 x 195 ft., with 2 wings, brick and stone, rein.-con. flooring, to Kreipke-Schafer Constr. Co., Oklahoma, $112,850.

*Okla., **Enid**—Dormitories—Phillips University, 22nd St. and Bway., let general contract building two, 2 story, 30 x 77 ft. brick, rein.-con. and stone, to G. M. Buxton Enid Natl. Bank Bldg. About $120,000.

*Okla., **Jenks**—High School—Bd. Educ. let contract building 2 story, 75 x 100 ft. rein.-con. steel and brick, to Doroughty & Nichols Constr. Co., Muskogee. About $71,500. Noted July 10.

*Okla., **Okmulgee**—Theatre—F. A. Young, Ft. Worth, Tex., let contract building 3 story, 100 x 140 ft. brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, to Stiles Constr. Co., Chicago, Ill. About $250,000; cost plus percentage basis.

*Okla., **Pleasant Hill**—School—Bd. Educ let contract building 1 story, 65 x 122 ft. brick, concrete and steel, rein.-con. flooring, concrete foundation, to A. F. Stewart & Co., 2230 West 16th St., Oklahoma. About $60,000; cost plus percentage basis.

*Colo., **Ft. Collins**—Physics—State Agricultural College, here, let contract building 3 story, 52 x 106 ft., brick and timber, rein.-con. flooring, concrete foundation, to E. Reavill, 1435 Vine St., Denver, $93,533.

*Ore., **Portland**—Home—B. P. O. E. let contract building 2 story, 100 x 100 ft., brick, on 12th and Alder Sts., to Trenchall & Parelius, Builders Exch., Portland. About $50,000.

*Ariz., **Globe**—Schools—School Trustees let contract building addition to high school, to Whalley Lumber Co., $84,300; 2 story grade school on Hill St., to J. Garfield, Globe, $117,390. Noted Aug. 28.

*Ariz., **Phoenix**—Hotel—Geronimo Hotel Co., c/o Postle & Fischer, archts., 140 South Dearborn St., Chicago, let contract building 8 story, 138 x 205 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, to Paschen Bros., 111 West Washington St., Chicago. About $750,000.

*Ariz., **Tucson**—Store, Theatre, etc.—East Congress Street Bldg. Co. let contract building 2 story, 110 x 185 ft. with 70 x 120 ft. wing, rein.-con. and brick, concrete foundation, on East Congress St., to Edwards & Wildey Co., 515 Black Bldg., Los Angeles, Cal. About $130,000.

*Ore., **Roseburg**—Hotel—Winchester Bay Lumber Co. will build 2 story, 70 x 100 ft frame, concrete foundation, near Mill R.R. spur. About $50,000. Work will be done by day labor under supervision of B. Noble.

*Cal., **Berkeley**—School—Bd. Educ. let following contracts building, on Colusa and Tacoma Aves., cement and concrete work to W. J. Schmidt, 2027 Shattuck Ave., $10,600; carpentry, Conner & Conner, 2105 Berkeley Way, $47,250; heating, Scott Co., 243 Minna St., San Francisco, $10,690. Noted Oct. 16.

*Cal., **El Segundo**—School—Trustees El Segundo School Dist. let contract building 1 story, 85 x 168 ft., to J. A. Crook, 619 Exch. Bldg., Los Angeles, $91,500. Noted Aug. 14.

*Cal., **Fresno**—Office—A. Mattei let contract building 12 story, 50 x 150 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on J. and Fresno Sts., to Lindgren Co., Monadnock Bldg., San Francisco. About $500,000. Noted June 19.

*Cal., **Long Beach**—School—Bd. Educ. let contract building 2 story, brick, rein.-con. flooring, concrete foundation, on American Ave., to J. D. Sherer, 1400 Elm Ave., $204,072. Noted Sept. 18.

*Cal., **San Francisco**—Bank—Bank of Italy, Montgomery and San Francisco Sts., let contract for structural steel work for 5 story, rein.-con., brick and steel, on Eddy and Powell Sts., to Golden Gate Iron Wks., 1541 Howard St.; for excavating, shoring and concrete work, to Duncanson-Harrellson Co. Chronicle Bldg. Total cost about $500,000. Noted Aug. 14.

*Cal., **San Francisco**—Office—Balfour Guthrie & Co., 350 California St., let contract building 12 story, 90 x 130 ft., steel, rein.-con. flooring, concrete foundation, to P. J. Walker Co., Monadnock Bldg. About $750,000; cost plus percentage basis.

*Cal., **San Leandro**—Hospital—Comrs. Alameda Co. let contract building 2 story, 52 x 82 ft. timber addition, rein.-con. flooring, brick or concrete foundation, on Foothill Blvd., to F. W. Maurice, 505 East 22nd St., Oakland, about $52,000.

*Cal., **Santa Ana**—Hotel—Santa Ana Hotel Co. let contract building 3 story, rein.-con., concrete foundation, on North Bway. and Birch St., to E. C. English, 508 Citizens Natl. Bank Bldg. About $160,000.

FEDERAL GOVERNMENT WORK

PROPOSED WORK

N. J., Tuckerton—Radio Towers—Spec. 4083—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to paint radio towers, here. About $2500.

Del., Wilmington—Dredging—U. S. Eng. Office, Old Federal Bldg., rejected bids received Oct. 20, dredging in Cooper River, N. J., and in Chester River, Pa. Noted Oct. 16.

D. C., Anacostia—Storehouse—Spec. 4085—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build storehouse for propellers, here. About $4000.

S. C., Charleston—Dredging—U. S. Engr. Office, Charleston, rejected bids received Oct. 16, dredging in proposed 40 ft. channel in Cooper River, near here. Noted Sept. 25.

S. C., Paris Island—Marine Aviation Field—Spec. 4079—Bureau Yards & Docks, Navy Dept., Wash., D. C. plans to develop marine aviation field, here. About $100,000.

La., New Orleans—Storehouses—Spec. 4084—Bureau Yards & Docks, Navy Dept., Wash.,

D. C., plans to build ammunition and mine storehouses, here. About $48,000.

Colo., Denver—Dredger—Secretary of Interior, Wash., D. C., has authorized U. S. Rec. Serv. to purchase 1 Ruth Dredger, to be used in connection with irrigation work on Yuma Irrigation project, Arizona-California. About $7000.

Wash., Wenatchee—Road Work—Bureau Pub. Rds., Portland, Ore., plans to build Stevens Pass Highway, Chelan Co., estimate cost $140,000. Forest Serv. will appropriate $90,000 and balance of cost will be borne by Chelan, Snohomish and King Counties; also 10 mi. Lake Chelan Rd., from 1st Creek to 25-mile Creek, $40,000. Chelan Co. and Forest Serv. will bear cost. C. H. Purcell, Post Office Bldg., Portland, dist. engr.

H. T., Pearl Harbor—(Kuahua)—Barracks—Spec. 4806—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build here. About $8500.

BIDS DESIRED

Mass., Hingham—Officers' Quarters—Spec. 4056—Until Nov. 26, (change of date) by Bureau Yards & Docks, Navy Dept., Wash., D. C., building at Naval Ammunition Depot, here. About $12,000; $10 deposit required for plans and spec. Noted Oct. 23.

R. I., Providence—Remodeling Elevator—Until Dec. 2, by Treas. Dept., Wash., D. C., remodeling electric freight elevator in Post Office, Customhouse and Courthouse, here. J. A. Wetmore, superv. archt.

N. Y., New York—Flooring—Spec. 3705—Until Nov. 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., asphalt block flooring in the light machine and electrical shop building No. 5, 32,000 sq.ft. rein.-con. floor slab, on compacted cinder fill and paved with 2 in. asphalt blocks, etc. Cost, $30,000; $10 deposit required for plans and spec.

Pa., Chester—Remodeling Post Office—Until Nov. 24, by Treas. Dept., Wash., D. C. remodeling post office, here. J. A. Wetmore, superv. archt.

Va., Norfolk—Quay Wall—Spec. 4044—Until Nov. 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building, here, uncreosoted timber bearings, batter piles, creosoted fender piles, chocks, etc. Cost, $60,000; $10 deposit required for plans and spec.

N. C., Thomasville—Post Office—Until Dec. 18, by Treas. Dept., Wash., D. C., furnishing labor and material for post office, here. J. A. Wetmore, superv. archt.

S. C., Charleston—Pump Well—Spec. 4089—Until Nov. 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building pump well for Dry Dock No. 2, consisting of concrete structure, about 204 ft. long, 87 ft. deep and 48 ft. 3 in. wide, with removable structural steel galleries, etc. Cost, $350,000; $20 deposit required for plans and spec.

Miss., Meridian—Remodeling Post Office—Until Nov. 24, by Treas. Dept., Wash., D. C., remodeling post office and court house, here. J. A. Wetmore, superv. archt.

O., Toledo—Mailing Platforms—Until Nov 26, by Treas. Dept., Wash., D. C., building 2 rein.-con. mailing platforms to U. S. Post Office Bldg., here. J. A. Wetmore, superv. archt.

Colo., Denver—Inspection—Until Dec. 8, by U. S. Recl. Serv., for inspection of engineering materials and machinery for 1 year. A. P. Davis, ch. engr.

Wash., Keyport—Radio Towers—Spec. 4077 Until Dec. 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building 400 ft. self supporting radio tower with concrete foundations on wood piles and for modifications of out riggers on existing towers at Naval Radio Sta., here. About $45,000; $20 deposit required for plans and spec.

Cal., Sacramento—Post Office—Until Dec. 29, by Treas. Dept., Wash., D. C., extending and remodeling post office, here. J. A. Wetmore, superv. archt.

Cal., San Diego—Building—Spec. 4047—Until Nov. 26 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing 1 story central building, covering 30,000 sq.ft. floor space, consisting of power house at center with ell shaped east and west wings for housing utilities, at Marine Corps Base, rein.-con. foundation on concrete pile, rein.-con. columns, slab floor and roof, steel trusses and purlins, brick and hollow tile walls and partitions, suspended metal ceiling, etc., and radial brick chimney, 125 ft. high. About $200,000; $20 deposit required for plans and spec.

PRICES AND CONTRACTS AWARDED
(*Indicates award of contract)

***N. Y., New York**—Pneumatic Tube System—Treas. Dept., Wash., D. C., let contract installing pneumatic tube system, in U. S. Assay Bldg., here, to Lamson Co., 100 Boylston St., Boston, Mass., $3698.

***N. Y., Stapleton**—Kitchen and Mess Hall—Treas. Dept., Wash., D. C., let contract building kitchen and mess hall at Marine Hospital, here, to Northeastern Constr. Co., 101 Park Ave., New York City, $147,360. Noted Oct. 16.

***Pa., Ft. Mifflin**—Dredging—Spec. 4042—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract dredging at Naval Ammunition Depot, here, to Amer. Dredging Co., 308 Chestnut St., Phila., $0.38 per cu.yd (35 days). Noted Oct. 23.

***Pa., Phila.**—Electric Lighting System—Spec. 4045—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing electric lighting system for extension to Shipbuilding Slips, here, to United Electric Constr. Co., Inc., 1727 Sansom St., cost $8000 (150 days). Noted Oct. 23.

***Md., Annapolis**—Stokers—Spec. 4049—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract furnishing and installing mechanical stokers of underfeed type, driving engine and auxiliaries for three 400 hp. boilers, in boiler plant at Naval Academy, here, to Westinghouse Electric & Mfg. Co., Hibbs Bldg., Wash., D. C., $14,741. Noted Oct. 16.

***D. C., Anacostia**—Strengthening Hangar Trusses, Heating System, etc.—Spec. 4058—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract strengthening hangar trusses, installing movable scaffold for erection of gable rolling doors of hangar, heating system for radio building, etc., at Naval Air Sta., here, to Boyle Robertson, 601 Evans Bldg., Wash., $9980, (60 days). Noted Oct. 23.

***D. C., Wash.**—Storehouse Extension—U. S. Eng. Office, 305 Southern Bldg., let contract furnishing material and labor building extension to store at Popomac Park to Boyle Robertson Contr. Co., Evan Bldg., $36,067. Noted Oct. 23.

***W. Va., South Charleston**—Motors and Controller—Spec. 4032—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing motors and controller for cranes, here, to Genl. Electric Co., Commercial Natl. Bank Bldg., Wash., D. C. About $218,250 (60 days). Noted Sept. 11.

***Fla., Hillsboro Bay**—Dredging—U. S. Eng. Office, War Dept., Wash., D. C., let contract dredging Sects. A, B and C, here, to United Dredging Co., 3910 Woolworth Bldg., New York City, $111,899.

***Fla., Key West**—Development of Base—Spec. 3762—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract developing submarine base, here, to Snare & Triest, 8 West 40th St., New York City, $1,705,730 (500 calendar days). Noted Aug. 28.

***Ala., Florence**—Derricks—U. S. Engr. Office, War Dept., Wash., D. C., let contract furnishing and erecting traveling tower derricks, for Wilson Dam, Tennessee River, to McMyler Interstate Co., Bedford, O., $108,000. Noted Sept. 18.

***La., New Orleans**—Levee—U. S. Engrs Office, War Dept., Wash., D. C., lea contract building 5,309,000 cu.yd. levee work in Lower Tensas Levee Dist., to Roach, Stansell, Lawrence Bros. & Co., North Memphis Savings Bank Bldg., Memphis Tenn., $587,860; Atchafalaya Levee Dist. (Grand Levee), to O. O. Ogden, Roumain Bldg., Baton Rouge, $185,575; Yatton Levee, to Grasser Contr. Co., Hennen Bldg., $96,800; Pontchartrain Levee Dist., (White Hall Levee), to D. B. Hearin & Co., 306 New Daymond Bldg., Baton Rouge, $43,450; Mt. Airy (Glencoe Levee), to L. F. Alexander, Pauline St. Wharf, $60,760; Lake Borgne-Levee Dist., (Story Levee), to Lower Coast Constr. Co., 122 Charters St., $25,520.

***Ky., Louisville**—Dam—U. S. Eng. Office, War Dept., Wash., D. C., let contract building Maneuver Boat Dam No. 43, in Ohio River, to Howard Shipyards & Docks Co., Jeffersonville, Ind., $24,960.

***Ind., Logansport**—Boiler—Treas. Dept., Wash., D. C., let contract installing new boiler, here, to W. Wilby, Selma, Ala., $1978, (70 days).

***Ill., Chicago**—Breakwater—U. S. Eng. Office, War Dept., Wash., D. C., let contract building rubble mound breakwater in harbor, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave., $292,098.

***Colo., Denver**—Monitor—Treas. Dept., Wash., D. C., let contract installing monitor in sweep cellar at U. S. Mint, here, to F. H. Cowell, 217 Central Savings Bank Bldg., $16,976. Noted Oct. 23.

***H. T., Pearl Harbor**—Power Plant Improvements—Spec 3856—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract improving power plant, here, to Adams, Britz & Co., 1759 Park Ave., New York City, $84,321 (200 days). Noted Sept. 11.

MISCELLANEOUS

PROPOSED WORK

Pier—Asbury Park, N. J.—A. Pryor, c/o Mann & McNeil, archts., 70 East 45th St., New York City, having plans prepared for timber and steel pier, here. About $100,000.

Gateway—Denver, Colo.—W. E. and A. A. Fisher, archts., 128 Gilpin St., receive bids about Nov. 25, building Voorhees Memorial gateway at Civic Center, 47 ft. high, 200 ft. long, turkey creek sandstone and rein. con. foundation, for City and Denver Co. About $100,000.

BIDS DESIRED

Transit Shed—Seattle, Wash.—Until Nov. 26, by Port of Seattle Comn., Bell St. Dock, building north half of proposed 1000 ft. transit shed, 2 story, 118 x 500 ft., heavy timber, on Pier B, Smith's Cove. About $150,000.

Pontoon Pipes—Ottawa, Ont.—Until Nov. 26, by R. C. Desrochers, secy. Dept. Pub. Wks., for 11 pontoon discharge pipes for dredge, 'P.W.D. No. 5."

PRICES AND CONTRACTS AWARDED
(*Indicates award of contract)

***Lock—Lockport, N. Y.**—E. S. Walsh, supt. pub. wks., Capitol, Albany, let contract rebuilding upper end of Lock No. 35, on Erie Canal, Sect. 10, Contr. No. 152, to Luffer & Remick, 504 Ellicott Sq., Buffalo, $126,847. Noted Oct. 23.

***Limestone Dust—New York, N. Y.**—City let contract furnishing and delivering 1500 ton limestone dust, to New York Trap Rock Co., 17 Battery Pl., $12,675.

***Tunnel—Jersey City, N. J.**—New Jersey Interstate Bridge & Tunnel Comn., Room 2110-115 Bway., New York City, let contract for tunnel borings for vicinity of Varick and Canal Sts., New York City along line of proposed Vehicular Tunnel under Hudson River to vicinity of Grove and 12th Sts., here, to P. J. Healey, 39 Cortlandt St., New York City, $24,240. Noted Sept. 11.

***Loading Station—Newark, N. J.**—Sun Co., Finance Bldg., Phila., will build 50 x 110 x 150 ft. concrete and iron loading station, here. About $10,000. Work will be done by day labor.

***Pier—Port Covington (Baltimore P. O.) Md.**—Western Maryland Ry., Continental Bldg., Baltimore, let contract building 450 ft., concrete and timber pier, 60 ft. wide near foot of Light St., here, to McLean Contg. Co., 1412 Fidelity Bldg., Baltimore. About $600,000. Noted Sept. 25.

***Breakwater—Cleveland, O.**—City let contract extending breakwater at Gordon Park along Lake Erie, involving 2000 tons stone to Central Dredging Co., Bangor Bldg., $35,176.

***Cast Iron Pipe and Cranes—Detroit, Mich.**—Comrs. Purchases & Supplies, Municipal Courts Bldg., let contract furnishing 2000 tons 42 in. class C c.i. water pipe, to United States Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, $109,000; 2 one-motor monorail electric trolley cranes for Pub. Wks. Garbage Plant, to Northern Eng. Wks., Chene St., Detroit, $2704; c.i. pipe and fittings for filtration plant, to Flower Valve Mfg. Co., Clayton Ave., Detroit, $170. per net ton.

Filling—Detroit, Mich.—City received bids filling back of proposed dyke at Belle Isle Park for Scott Fountain, 7 ft. depth of water, involving 150,000 cu.yd. excav., from Duluth Superior Dredging Co., 1715 Ford Bldg., $51,000, E. Gray, Continental Ave., fill in more than 5½ ft. water, no charge, less than 5½ ft., 7½c. per cu.yd.

***Foundation—Janesville, Wis.**—St. Patricks Catholic Church let contract building concrete foundation for 2 story, 100 x 200 ft. steel and timber school, to J. P. Cullen & Son, Janesville. Total cost $70,000. Noted July 26, under "Buildings."

***Runways—Milwaukee, Wis.**—Great Lakes Coal & Dock Co., 1507 Alworth Bldg., Superior, let contract building two 876 ft. concrete and pile runways, here, to E. E. Gillen Co., Wells Bldg. About $45,000.

***Foundation, etc.—Chisholm, Minn**—City let contract excavating and building concrete foundation for 2 story, 250 x 300 ft. recreation building, on West Lake Ave., to Winslow & Salvi, Chisholm. About $68,000.

***Transmission Line—Hudson, Kan.**—City let contract building transmission line to Conner Constr. Co., cost $3650; furnishing poles and line apparatus, to Western Electric Co., 608 Wyanotte Bldg., $6233; furnishing transformers to A. Bilbank, $1041; furnishing copper wire, to B. & R. Electric Co., $999; and furnishing aluminum cables, to Aluminum Co. of America, 608 R. A. Long Bldg., $1618; all contractors of Kansas City Mo. Noted July 31.

***Transmission Line—Willis, Kan.**—City let general contract building distribution system and transmission line from here to Horton, to R. McConnel, Horton, $18,490; poles, to E. P. Chapin, Spokane, Wash., $1618; transmission and motors, to C. L. Milbank, Interstate Bldg., Kansas City, Mo., $1350; pole line material and copper wire, to B-R Electric Co., 15th and Walnut Sts. Kansas City, Mo., $1062 and $1338 respectively.

CONTRACTS AWARDED

INDUSTRIAL WORBS

*Me., **Lisbon Falls**—Worumbo Mfg. Co. let contract building 2-story, 130 x 197-ft., dye house, rein.-con., rein.-con. flooring, concrete foundation, to Turner Constr. Co., 178 Tremont St., Boston, Mass. About $150,000.

*Me., **Sanford**—Sanford Mills, c-o Lockwood-Greene Co., archts. and engrs., 101 Park Ave., New York City, let contract building (two 1-story, rein.-con. and steel, dye houses, rein.-con. flooring, concrete foundation, to Turner Constr. Co., 244 Madison Ave., New York City. About $200,000. Noted June 26.

*Mass., **Belchertown**—Massachusetts Comm. on Mental Diseases, Boston, let contract to M. I. O'Connor, 86 Main St., Northampton, building laundry, storehouse, bakery and power house, all 1-story, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, at State Hospital, here. Cost, $115,620. Noted Sept. 18, under "Buildings."

*Mass., **Beverly**—United Shoe Mchy. Co. let contract building 3-story, 60 x 400-ft. rein.-con. storage plant, to Aberthaw Constr. Co., 27 School St., Boston. About $275,000.

*Mass., **Boston**—Ace High Chocolate Co. let contract building 7-story, 60 x 165-ft., rein.-con. factory, rein.-con. flooring, concrete foundation, at 367 Bway., to W. A. and H. A. Root Co., 1 Beacon St.

*Mass., **Boston**—T. G. Plant Co., Jamaica Pl., let contract building 3-story, 71 x 80-ft. concrete addition to factory, rein.-con. flooring, concrete foundation, at 101 Bickford St., to W. H. Whitcomb, 6 Beacon St.

*Mass., **Boston**—Wilson & Tomlinson, 79 Milk St., will build 2-story, 90 x 101-ft., rein.-con., beam and girder type, garage and storage plant, rein.-con. flooring, concrete foundation, on Beacon and Maitland Sts. About $75,000. Work will be done by day labor.

*Mass., **Chelsea** (Boston P. O.)—A. McManus Box Co., Vale St., let contract building 2-story, 92 x 242-ft. concrete and brick addition to factory, to J. Slotnick, Chelsea. About $75,000. Noted Apr. 24.

*Mass, **Chicopee**—Springfield Coach Wks. will alter present factory and build 1-story, brick, boiler house, rein.-con. flooring, concrete foundation, on North Main St. About $25,000. Work will be done by day labor.

*Mass., **Chicopee Falls**—Fisk Rubber Co. let contract building 1-story, 23 x 115-ft. addition to factory and 23 x 40-ft. substation, brick and concrete, concrete foundation, to F. T. Ley & Co., 499 Main St., Springfield. About $30,000.

*Mass., **Dorchester** (Boston P. O.)—G. L. Glennon, 110 Mt. Vernon St., let contract building 3-story, brick and concrete warehouse, rein.-con. flooring, concrete foundation, to M. C. Fredennick Co., 10 High St., Boston. About $45,000.

*Mass., **Easthampton**—West Boylston Mfg. Co., Hampton Mills, let contract building 2 story, brick and mill construction, addition to mill, concrete foundation, to F. T. Ley Co., 499 Main St., Springfield. About $350,000.

*Mass., **Fall River**—S. Boucher, 171 Hunter St., will build 1 story, 54 x 224 ft. brick, steel and concrete service station, concrete flooring, concrete foundation, on South Main St. About $35,000. Work will be done by day labor.

*Mass., **Fall River**—Fall River Bleachery Lawton St., let contract building 1-story brick and steel addition to machine shop, rein.-con. flooring, concrete foundation, to F. T. Ley & Co., Inc., 499 Main St., Springfield. About $60,000.

*Mass., **Fall River**—Sagamore Mfg. Co. Benefit St., let contract building 2-story, 13 x 57 ft. and 72 x 156-ft. brick and mill construction addition to mill, concrete foundation, to Beattie & Cornell, 33 North Quarry St. About $50,000.

*Mass., **Fitchburg**—Crocker, Burbank & Co. Inc., 545 Westminster St., let contract building 2-story, 60 x 200-ft. brick and steel addition to plant, concrete foundation, to Foss & Janes, 75 Laurel St. About $100,000. Noted June 26.

*Mass., **Florence** (Northampton P. O.)—Florence Mfg. Co., Pine St., let contract building 4-story, 75 x 127-ft., brick and mill construction addition to factory, concrete foundation, to S. M. Green Co., 293 Bridge St., Springfield. About $70,000. Noted Aug 28.

*Mass., **Haverhill**—Ellis & Hussey, 8 Wingate St., let contract building 5-story, brick and concrete factory, concrete foundation on Essex St., to W. A. and H. A. Root, 1 Beacon St., Boston. About $150,000.

*Mass., **Holyoke**—Natl. Blank Book Co. Riverside St., let contract building 2-story, 88 x 180-ft., brick and concrete plant, on Winter St., to Casper Ranger Constr. Co. 20 Bond St. About $60,000.

*Mass., **Holyoke**—Walsh's Holyoke Steam Boiler Wks., Appleton St., will build 81 x 140-ft., brick and steel mill, concrete flooring and foundation. About $35,000. Work will be done by day labor.

*Mass., **Lee**—Valley Mill let contract building 2-story, brick addition to mill, concrete foundation, to Lynch Bros., 206 High St., Holyoke. About $25,000.

*Mass., **Lowell**—U. S. Bobbin & Shuttle Co., Perry St., let contract building 3-story, 45 x 80-ft., brick and mill construction addition to dye house, concrete foundation, to J. J. Prindelville, South Framingham. About $50,000.

*Mass., **Malden** (Boston P. O.)—Converse Rubber Co. let contract building 5-story 52 x 75-ft., rein.-con. storehouse, rein.-con flooring, brick foundation, on Pearl St., to Stone & Webster Corp., Milk St., Boston About $75,000.

*Mass., **Millbury**—Mayo Woolen Co. let contract building 3-story, 60 x 60-ft., brick and mill addition to factory, concrete foundation to G. B. Cutting, 4 Walnut St., Worcester. About $30,000. Noted July 24.

*Mass., **New Bedford**—New England Refining Co., Boston, let contract building rein.-con. storage and terminal plant, rein.-con. flooring, concrete foundation, on Harbor here, to include storehouse, warehouse, garage, etc., to F. T. Ley & Co., Inc., 499 Main St., Springfield. About $250,000.

*Mass., **New Bedford**—Passaic Mills, Orchard St., let contract building 3-story, 100 x 150-ft., rein.-con. addition to factory, rein.-con. flooring, concrete foundation, to New England Concrete Constr. Co., 201 Devonshire St., Boston. About $100,000.

*Mass., **New Bedford**—Wamsutta Mills, Acushnet Ave., let contract for altering and building 5-story, 65 x 100-ft. brick and mill construction addition to storehouse, on Purchase St., to F. B. Sistare & Son, 111 Willis St. About $50,000.

*Mass., **Northampton**—C. A. Maynard Green St., will build 1-story, brick and concrete factory, concrete flooring and foundation, on North King St. About $25,000. Work will be done by day labor.

*Mass., **Northboro**—Taylor Mfg. Co., Hudson St., let contract altering present plant and building between picker house and main building, also constructing 1-story, 40 x 50-ft. picker house, brick, concrete flooring and foundation, to C. H. Bailey, Maple St. About $25,000.

*Mass., **North Oxford**—E. Bartlett Co. let contract building 2-story, 50 x 100-ft., brick and mill construction addition to factory concrete foundation, to L. O. Irish, Auburn. About $25,000.

*Mass., **Otter River**—Otter River Fdry. Co will build 1-story, 50 x 60-ft. brick and steel addition to foundry, rein.-con. flooring concrete foundation. About $25,000. Work will be done by day labor.

*Mass., **Pittsfield**—Smith & McCarthy South St., let contract building 1-story, 75 x 150-ft. brick and concrete garage, rein.-con. flooring, concrete foundation, on South St., to D. H. Pike, North St. About $42,000 Noted July 24.

*Mass., **Spencer**—Allen-Squire Co., Main St. let contract building 4-story, 50 x 90-ft. brick and concrete, storehouse, concrete foundation, to E. J. Cross Co., 82 Foster St., Worcester. About $60,000.

*Mass., **Springfield**—J. J. Aronson, 8 Magnolia Terrace, let contract building 3-story 62 x 80-ft., brick garage and storage plant concrete foundation, on Ferry St., to S. Kossofski, 54 Patton St. About $50,000.

*Mass., **Springfield**—Bemis & Call Hardware & Tool Co., 983 Main St., let contract building 4-story, 46 x 101-ft., factory, and 1-story, 59 x 104-ft. factory and storage plant, brick and mill construction, concrete foundation, on South Main St., to E. T Davis & Son, 157 Lebanon St. About $60,000.

*Mass., **Springfield**—E. A. Dexter, 194 Sumner Ave., let contract building 1-story, 65 x 113-ft. brick and concrete addition to garage rein.-con. flooring, concrete foundation, on Bond St., to D. W. Mellen, 293 Bridge St. About $35,000.

*Mass., **Springfield**—Springfield Ice Co., 47 Dwight St., let contract building 1-story 156 x 310-ft. ice house, brick and timber concrete flooring, concrete foundation, on Hickory St., to L. S. Wood, 14 Stockbridge St. About $100,000.

*Mass., **Springfield**—United Mfg. Co., 57 Willow St., let contract building 1-story brick and steel boiler room, etc., concrete foundation, on Birnie Ave., to D. W. Mellen 293 Bridge St. About $25,000. Noted Mar. 20.

*Mass., **Taunton**—H. L. White, 21 Weir St., let contract building 2-story, 60 x 115-ft., rein.-con. and steel service station, rein.-con. flooring, concrete foundation, on Howard St., to J. A. Glenn, 15 Trescott St. About $40,000.

*Mass., **Warren**—Warren Steam Pump Co will build 85 x 200-ft. factory, 40 x 130-ft. boiler house and 40 x 130-ft. office addition all 1-story, brick and concrete, concrete flooring and foundation; also 132-ft. stack. About $70,000. Work will be done by day labor Noted May 15.

*Mass., **Worcester**—Arvidson Baking Co. 75 Ward St., will build 2-story, 93 x 115-ft brick and steel bakery, rein.-con. flooring brick foundation. About $75,000. Work will be done by day labor. Noted Sept. 11.

*Mass., **Worcester**—A. I. Asher, 16 Harding St., will build 2-story, 152 x 163 ft. brick, steel and concrete garage, concrete flooring and foundation, on Green St. About $135,000. Work will be done by day labor Noted Aug. 28.

*Mass., **Worcester**—Atlantic Refining Co. 503 Turks Head Bldg., Providence, let contract building 2-story warehouse, 1-story garage, 1-story storage and 1-story office, brick and concrete, rein.-con. flooring, concrete foundation, on North and Prescott Sts. here, to Metzger & Fisher Co., Otis Bldg. Phila., Pa. About $30,000.

*Mass., **Worcester**—O. Bradley Car Co. Mountain St., will build 3-story, 90 x 300 ft. brick and steel addition to factory, concrete foundation, on West Bolyston St. About $80,000. Work will be done by day labor.

*Mass., **Worcester**—J. H. Fontaine, 530 Grafton St., let contract building 2-story 60 x 80-ft., brick and concrete garage, rein.-con. flooring, concrete foundation, on Rice Sq., Grafton and Acton Sts., to L. Rochford & Son, 44 Front St. About $30,000.

*Mass., **Worcester**—C. R. Hoyle, archt. and engr., 390 Main St., let contract to G. A. Fuller, 131 State St., Boston, building 2-story 150 x 200-ft., rein.-con. and brick garage rein.-con. flooring, concrete foundation, on Mechanic St., for B. L. Handelman, 32 Portland St. About $100,000. Noted Sept. 11.

*Mass., **Worcester**—Simplex Player Action Co., 10 Blackstone St., let contract building 1-story, brick and steel addition to factory rein.-con. flooring, rock foundation, to W Daniels & Son, Worcester. About $25,000

*Mass., **Worcester**—Walden-Worcester, Inc. 211 Main St., let contract building 1-story 40 x 60-ft. garage, 1-story, 60 x 100-ft. hardening shop, and 1-story, 40 x 50-ft. boiler house, brick and concrete, rein.-con flooring concrete foundation, on Shrewsbury St., to Kearns Constr. Co., 206 Devonshire St., Boston. About $30,000

*Mass., **Worcester**—Worcester Pressed Steel Co., Barbers Crossing, will build 1-story 90 x 150-ft., concrete and steel storehouse concrete foundation, on Randolph Rd. About $50,000. Work will be done by day labor.

*R. I., **Berkeley** (Ashton P. O.)—Berkeley Co. let contract remodeling 3-story, 50 x 170-ft. building into storage plant, new rein.-con. flooring, to O. D. Purington & Co., 629 Industrial Trust Bldg., Providence. About $25,00.

*R. I., **Central Falls** (Pawtucket P. O.)—Leader Weaving Co., 417 Mill St., let contract building 2-story, 30 x 162-ft. brick and mill construction addition to weave shed rein.-con. flooring, concrete foundation, to O. D. Purington & Co., 626 Industrial Trust Bldg., Providence. About $30,000.

*R. I., **Central Falls** (Pawtucket P. O.)—Pennsylvania Textile Co., 449 4th Ave., New York City, let contract building 4-story 100 x 155-ft., brick and mill construction addition to plant, on High St., here, to A. F Smiley, Oak Hall Bldg., Pawtucket. About $175,000.

*R. I., **Central Falls** (Pawtucket P. O.)—Waypoyset Mfg. Co., Broad St., let contract building 1-story, brick and mill constructon addition to mill, to Willmarth-Mackillop Inc., Freeman St., Pawtucket. About $45,000

*R. I., **Cranston**—Mueller Metal Co., 288 Dyer St., let contract building 2-story, 50 x 102-ft., brick and concrete factory, concrete foundation, on Webster St., to C. B. Maguire Co., 1208 Turks Head Bldg., Providence About $25,000.

*R. I., **Esmond**—Esmond Mills let contract building 2-story, 68 x 96-ft., brick and mill construction addition to dyehouse, concrete foundation, to C. I. Bigney Constr. Co., 898 Westminster St., Providence. About $30,000

*R. I., **Pawtucket**—Collyer Insulated Wire Co., 249 North Main St., let contract building 2-story, rein.-con. addition to factory rein.-con. flooring, concrete foundation, to F T. Ley & Co., Inc., 499 Main St., Springfield Mass. About $100,000.

*R. I., **Pawtucket**—Jenckes Spinning Co. Weeden St., let contract building 3-story, 48 x 104-ft., and 4-story, 114 x 174-ft. brick and mill construction addition to mill, wood flooring, concrete foundation, to Willmarth-Mackillop, Inc., Freeman St. About $250,000.

*R. I., **Pawtucket**—Lang & Hoffman, 4th Ave., New York City, let contract remodeling present plant and building 1-story, 80 x 90-ft., brick addition to weave shed, rein.-con. flooring, concrete foundation, on Newall Ave. here, to C. I. Bigney Constr. Co., 898 Westminster St., Providence. About $30,000.

*R. I., **Providence**—Crompton & Knowles Loom Wks., 93 Grand St., Worcester, Mass. let contract building 2-story, 83 x 222-ft.

rein.-con. foundry, rein.-con. flooring, concrete foundation, on Tingeley St., to Aberthaw Constr. Co., School St., Boston. About $150,000.

***R. I., Providence**—Franklin Machine Co. 189 Charles St., let contract building 1-story 61 x 81-ft., brick and mill construction foundry, rein.-con. flooring, concrete foundation to O. D. Purington & Co., 626 Industrial Trust Budg. About $25,000.

***R. I., Providence**—Industrial Land Co. Chestnut and Pine Sts., let contract building 1-story, 70 x 108-ft., brick garage and service station, concrete flooring, to C. I Bigney Constr. Co., 898 Westminster St About $25,000.

***R. I., Providence**—Mueller Metal Co., 288 Dyer St., let contract building 2-story, 50 x 100-ft., brick and mill construction factory concrete foundation, to C. B. Maguire Co. Turks Head Bldg. About $30,000.

***R. I., Providence**—P. J. Naugle, Wood St., will build 1-story, brick and steel garage and service station, rein.-con. flooring, concrete foundation, on Sprague, Fuller and Webster Sts. About $25,000. Work will be done by day labor. Noted Sept. 11.

***R. I., Providence**—H. A. Thayer, Winslow St., let contract building 3-story, 31 x 80-ft., brick and concrete garage and service station, concrete flooring, to C. I. Bigney Constr. Co., 898 Westminster St. About $28,000.

***R. I., Providence**—D. M. Watkins Co. Pine and Eddy Sts., let contract building 95 x 125-ft. brick and mill construction factory, concrete foundation, to Hope Bldg. Co. 87 Weybosset St. About $100,000. Noted Aug. 28.

***R. I., Providence**—Jenks & Ballou, engrs., 1035 Grosvenor Bldg., let contract to C. I. Bigney Constr. Co., 898 Westminster St. building 2-story, brick, tile and steel warehouse, rein.-con. flooring, concrete foundation, for What Cheer Beef Co., 356 Canal St. About $25,000. Noted Sept. 11.

***R. I., Woonsocket**—Barnai Worsted Co. South Main St., let contract building 2-story 75 x 100-ft., brick and mill construction addition to mill, rein.-con. flooring, concrete foundation, to J. H. Grozier Co., 721 Main St., Hartford, Conn. About $50,000.

***R. I., Woonsocket**—McClintock & Craig engrs., 33 Lyman St., Springfield, Mass., let contract to Eastern Constr. Co., Winter St. building 1- and 2-story, 90 x 180-ft., brick and concrete addition to dyeing and finishing plant, rein.-con. flooring, concrete foundation, on Canal and Water Sts., for Gold Mark Knitting Co., Water St. About $55,000.

***R. I., Woonsocket**—Novelty Knitting Co. Allen St. near Buell St., let contract building 1-story, 48 x 100-ft., brick and mill construction addition to plant, concrete foundation, to C. F. Parker, 65 Main St. About $25,000.

***R. I., Woonsocket**—B. Yaroshefsky, Fairmount St. and 1st Ave., let contract building 1- and 2-story, 40 x 147-ft., brick and concrete factory, concrete foundation, to F. Avallone, 24 Main St. About $25,000.

***Conn., Bridgeport**—Amer. Fabrics Co. Connecticut Ave., let contract building two 2-story, rein.-con. and steel additions to factory, rein.-con. flooring, concrete foundation, to Aberthaw Constr. Co., 27 School St., Boston, Mass. About $150,000. International Textile Co., lessee.

***Conn., Bridgeport**—Amer. Tube & Stamping Co., 471 Hancock Ave., will build 1-story, 60 x 200-ft., concrete and steel addition to storage plant, on Stratford Ave. About $35,000. Work will be done by day labor.

***Conn., Bridgeport**—Bridgeport Brass Co. Grand St., let contract building 1-story, 150 x 220-ft., brick, rein.-con. and steel addition to shop, rein.-con. flooring, concrete foundation, at union branch of works, to Levering & Garrigues Co., 552 West 23rd St., New York City. About $150,000. Noted Aug. 21.

***Conn., Bridgeport**—City Lumber Co., 729 Union Ave., let contract building 1-story, 52 x 100-ft., brick and steel garage, rein.-con. flooring, concrete foundation, to D. Schine & Son, 729 Union Ave. About $25,000.

***Conn., Bridgeport**—Connecticut Breweries Co., 182 North Washington Ave., let contract building 1-story, 64 x 120-ft., brick and steel addition to storehouse, rein.-con. flooring, concrete foundation, to Eastern Eng. & Constr. Co., 886 Main St. About $25,000.

***Conn., Bridgeport**—Home Products Co. 226 Hallam St., let contract building 3-story, 45 x 75-ft., brick, steel and concrete addition to plant, rein.-con. flooring, concrete foundation, to Schwarz Bros. Co., 95 River St. About $25,000.

***Conn., Bridgeport**—Peoples Ice & Cold Storage Co., 1335 Seaview Ave., let contract building ice plant, 3-story, 66 x 140-ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, to T. J. Pardy Constr. Co. 1487 Seaview Ave. About $75,000.

***Conn., Bristol**—J. H. Sessions & Son Rvierside Ave., let contract building 4-story brick and concrete addition to plant, concrete foundation, to Torrington Bldg. Co. 197 Water St., Torrington. About $60,000.

***Conn., Danbury** — Danbury Industrial Corp,. Odd Fellows Bldg., let contract to W. R. Phillips & Co., 32 John St., Bridgeport, for 1-story, 90 x 220-ft. brick factory and 2-story, 60 x 160-ft. rein.-con. factory for Danbury Industrial Corp., Odd Fellows Bldg. About $100,000. Keystone Instant Food Co., New York City, lessee. Noted Sept. 11.

***Conn., East Hartford**—Atlantic Refining Co., 503 Turks Head Bldg., Providence, R. I., let contract building 2-story warehouse, 1-story storage plant, 1-story garage, and small office, brick and concrete, rein.-con. flooring, concrete foundation here, to Metzger & Fisher Co., Otis Bldg., Phila. About $25,000.

***Conn., Forrestville**—Sessions Clock Co. East Main St., let contract building 1-story 40 x 110-ft. brick and steel factory and 2-story, 15 x 20-ft. brick and steel dye vault, rein.-con. flooring, concrete foundation, to Torrington Bldg. Co., 197 Water St., Torrington. About $25,000.

***Conn., Hartford**—Hall-Thompson Co., 844 Windsor Ave., let contract building 3-story 35 x 60-ft., brick and mill construction addition to factory, concrete foundation, to Bent-Bartlett Co., 43 Ann St. About $25,000.

***Conn., Hartford**—Hanson-Whitney Machine Co., Bartholomew Ave., let contract building 4-story, 60 x 120-ft., brick and concrete factory, concrete foundation, to Portens-Walker Co., 13 Forest St. About $100,000.

***Conn., Hartford**—Hartford Mill Supply Co., 194 Pearl St., let contract building 2-story, 75 x 100-ft., concrete factory addition concrete flooring, to Bent-Bartlett Co., 43 Ann St About $50,000.

***Conn., Meriden**—E. Miller Co., 99 Center St., let contract building two 1-story, brick and steel additions to factory, rein.-con flooring, to H. Wales Lines Co., 134 State St. About $25,000.

***Conn., Mystic**—Packer Tar Soap Co., Lincoln Ave., let contract building 1-story storage plant, 2-story, 50 x 50-ft. addition to factory, 1-story, 25 x 30-ft. power house brick and mill construction, rein.-con. flooring, concrete foundation, to E. F. Miner Bldg. Co., 25 Foster St., Worcester, Mass. About $40,000. Noted Aug. 14.

***Conn., New Haven**—J. C. Haartz, Inc., 30 Lenox Ave., let contract building 2-story brick and concrete, storehouse, to N. J. Leonard Co., 902 Chapel St. About $25,000.

***Conn., New Haven**—E. Malley Estate. 902 Chapel St., let contract building boiler house and engine room, 2-story each, brick and rein.-con., rein.-con. flooring, concrete foundation, on Temple St., to Larkin-Carey Co., 166 Brewery St. About $30,000.

***Conn., New Haven**—H. W. Walker, 421 Housatonic Ave., Bridgeport, let contract building 1-story, 137 x 143-ft., brick storehouse, on James St., here, to Sullivan & McKeon, 843 Dixwell Ave. About $30,000

***Conn., Noank**—Rossie Velvet Co. let contract building 2 and 3 story, 50 x 62-ft. and 19 x 38-ft. brick and mill construction addition to mill, concrete foundation, to R. A. Shermans Sons Co., 119 Main St., Westerly, R. I. About $35,000.

***Conn., Newington**—Hartford Tube Products Co., 90 Fairfield Ave., Hartford, let contract building 1-story, 50 x 120-ft. brick and steel factory and 1-story, 30 x 30-ft brick office, concrete flooring and foundation, on Hartford Rd., here, to B. H. Hibbard Co., 153 Arch St., New Britain. About $30,000.

***Conn., New London**—A. Bloom Co., Inc. 23 Market St., Paterson, N. J., let contract building 1-story, 46 x 250-ft., brick and steel factory, concrete flooring and foundation on Garfield Ave., here, to P. S. Van Kirk Co., 85 Fulton St., Paterson, N. J. About $50,000.

***Conn., Oakville**—Oakville Co., Oakville St., let contract constructing 1-story, 44 x 56-ft., brick, concrete and steel plant, rein.-con. flooring and foundation, to F. T. Ley Co., Inc., 499 Main St., Springfield, Mass. About $30,000.

***Conn., Plainville**—Rockwell-Drake Corp. Woodford Ave., will build 1-story, 100 x 140-ft. brick and timber addition to factory concrete flooring, concrete foundation. About $30,000. Work will be done by day labor.

***Conn., Stafford Springs**—C. Johnson Woolen Co. let contract building 2-story brick and steel, mill, concrete foundation, to F. T. Ley & Co., Inc., 499 Main St., Springfield, Mass. About $75,000.

***Conn., Waterbury**—Amer. Brass Co., Grand and Meadow Sts., let contract building 1-story, 88 x 420-ft. addition to factory, with 10 x 75-ft. and 60 x 75-ft. ells, brick, steel and rein.-con., rein.-con. flooring, concrete foundation, on Freight St., to Torrington Bldg. Co., 197 Water St., Torrington. About $125,000.

***Conn., Waterbury**—City let contract building 1-story, ell shaped, brick, concrete and steel garage, rein.-con. flooring, concrete foundation, on Field St., to G. S. Chatfield Co., 138 Division St., $32,631. Noted Aug 28.

***Conn., Waterbury**—Farrel Foundry and Machine Co., 425 Bank St., let contract building, 1-story, 72 x 102-ft., machine shop and 1-story hardening shop, brick, concrete and steel, rein.-con. flooring, concrete foundation, on Meadow St., to G. R. Bledgett, 260 Willow St. About $60,000.

***Conn., Waterbury**—Somers Co., Inc., 94 Baldwin Ave., will build 1-story, 52 x 144-ft brick and concrete addition to factory, rein.-con. flooring, concrete foundation. About $25,000. Work will be done by day labor.

***Conn., West Hartford** (Hartford P. O.)—Whitlock Coil Pipe Co., Elmwood, will build 1-story, brick addition to factory, rein.-con flooring, concrete foundation, on South St About $25,000. Work will be done by day labor.

***Conn., West Haven** (New Haven P. O.)—New Haven Machine Co., 179 Milford Turnpike, Allington, let contract building 1-story, 60 x 200-ft., brick and mill construction, machine shop, rein.-con. flooring, concrete foundation, on Orange Ave., here, to C. W. Murdock, 185 Church St., New Haven About $35,000. Noted Sept. 18.

***Conn., Willimantic**—Dormitory—State Bd Educ. let contract to Tracy Bros. Co., 52 Benedict St., Waterbury, building 3-story 46 x 114-ft. with 30 x 46-ft. ell, brick, steel and concrete, rein.-con. flooring, concrete foundation, on Valley St., for State Normal School, here. About $201,000. Noted Sept 18.

***Conn., Winnipauk** (Norwalk P. O.)—Monks & Johnson, engrs., 78 Devonshire St. Boston, Mass., let contract to H. Wales Lines Co., 134 State St., Meriden, building 6-story, 80 x 128-ft. brick and rein.-con. addition to factory, rein.-con. flooring, concrete foundation, for Norwalk Tire & Rubber Co About $120,000. Foundation work will be done by day labor. Noted Sept. 11.

***N. Y., Belmont**—Borden Condensed Milk Co., 108 Hudson St., New York City, let contract building 2-story, 140 x 270-ft., brick and steel plant, rein.-con. flooring, concrete foundation, to Jamestown Constr. Co., 60 River St., Jamestown.

***N. Y., Brooklyn**—M. Goetz, c-o B. W Dorfman, archt., 26 Court St., will build 1-story, 96 x 121 x 131-ft., brick and steel garage, rein.-con. flooring, brick foundation, on Bergen St. and Classon Ave. About $40,000. Work will be done by day labor.

***N. Y., Brooklyn**—B. Goldman, c-o. J. H Sheier, archt., 25 West 42nd St., New York City, will build 1-story, 115 x 150-ft. rein.-con., brick and steel garage, rein.-con. flooring, concrete foundation, on Bedford and Willoughby Aves. About $60,000. Work will be done by day labor.

***N. Y., Brooklyn**—H. Lawrence, c-o. S Nullman & Son, Archts. and engrs., 26 Court St., will build 1-story, 80 x 100-ft brick and steel garage, rein.-con. flooring concrete foundation, on Utica Ave. and Herkimer St. About $40,000. Work will be done by day labor.

***N. Y., Brooklyn**—H. Marcus, 237 Van Sindern Ave., will build 1-story, 100 x 100 ft., brick and steel garage, rein.-con. flooring concrete foundation, on Atlantic Ave. and Hopkinson St. About $40,000. Work will be done by day labor.

***N. Y., Brooklyn**—Midwood Bldg. Co., 44 Court St., will build 1-story, 75 x 131 ft. brick and steel garage, rein.-con. flooring concrete foundation, on Bergen St. and Underhill Ave. About $30,000. Work will be done by day labor.

***N. Y., Brooklyn**—B. Morigl, Pennsylvania Ave., will build 2-story, brick and steel garage, rein.-con. flooring, concrete foundation at 74 Jamaica Ave About $50,000. Work will be done by day labor.

***N. Y., Brooklyn**—R. and A. S. Bldg. Co. 44 Court St., will build 2-story, 88 x 100 ft. brick and steel garage, rein.-con. flooring concrete foundation, on Atlantic Ave., Herkimer St. and Perry Pl. About $60,000. Work will be done by day labor.

***N. Y., Brooklyn**—R. and E. Bldg. Corp., 834-846 Lexington Ave., will build 1-story 100 x 200 ft. brick and steel garage, rein.-con flooring, concrete foundation. About $35,000 Work will be done by day labor.

***N. Y., Brooklyn**—Rockmore Constr. Co. 44 Court St., will build 1-story, 100 x 120 ft brick and steel garage, rein.-con. flooring concrete foundation, on Bergen St., and Franklin Ave. About $25,000. Work will be done by day labor.

***N. Y., Brooklyn**—F. W. and E. W. Rowe 728 Eastern Parkway, will build 1-story, 100 x 200 ft. brick and steel garage, rein.-con. flooring, brick foundation, on New York Ave and Montgomery St. About $65,000. Work will be done by day labor.

***N. Y., Brooklyn**—Snyder & Prince, 833

St. Johns Pl., will build 1-story, 25 x 75-ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Bedford and Snyder Aves. About $25,000. Work will be done by day labor.

•N. Y., Brooklyn—G. Wildermith, 472-6th Ave., will build 2-story, brick and steel gasteel storage plant, rein.-con. flooring, concrete foundation, on Atlantic and Franklin Aves. About $25,000. Work will be done by day labor.

•N. Y., Buffalo—Buffalo Lens Mfg. Co., 507 Washington St., let masonry contract for 3-story, 60 x 150 ft. rein.-con. addition to factory, rein.-con. flooring, concrete foundation on Huron St, to G. Schaaf, 258 Kingsley St. About $50,000.

•N. Y., Buffalo—Herschell-Spillman Co. North Tonawanda St., let contract building 3-story, 60 x 135 ft., rein.-con. addition to factory, rein.-con. flooring, concrete foundation, to J. W. Cowper Co., Fidelity Bldg. About $60,000.

•N. Y., Cattaraugus—Setter Bros. let contract building 2-story, 20 x 200 ft. rein.-con. warehouse, rein.-con. flooring, concrete foundation to B. A. Taylor, Union St., Olean. About $40,000.

•N. Y., Dunkirk—Empire Axle Co., Lamphere St., let contract building 1-story, 82 x 200 ft., concrete and steel shop, rein.-con. flooring, concrete foundation, to J. W. Cowper Co., Fidelity Bldg., Buffalo. About $35,000.

•N. Y., Huntington—Collins Motors, Inc., will build 1- and 2-story, 80 x 340 ft., rein.-con., assembling plant, rein.-con. flooring, brick foundation. About $75,000. Work will be done by day labor.

•N. Y., Jamaica—J. T. Adikes, Fulton St., will build 1-story, brick and steel garage, rein.-con. flooring, concrete foundation, on Hillside Ave. About $30,000. Work will be done by day labor.

•N. Y., Jamestown—Union Furniture Co., 234 Crescent St., let contract building 5-story, 59 x 350 ft. mill construction factory, to P. Peterson, Jamestown. About $175,000. Noted June 26.

•N. Y., New York—Benenson Realty Co., 148th St. and Willis Ave., will build 1 story, 101 x 165 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Webster Ave. and 173rd St. About $25,000. Work will be done by day labor.

•N. Y., New York—Benson Realty Co., 177 East 101st St., will build 2-story, 75 x 100-ft. brick and steel garage, rein.-con. flooring, concrete foundation, at 177 East 23rd St. About $40,000. Work will be done by day labor.

•N. Y., New York—J. Bothwell, 30 West 130th St., will build 1-story, 100 x 115 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Sherman Ave. and 162nd St. About $35,000. Work will be done by day labor. Noted Sept. 25.

•N. Y., New York—Bronx Consumers Ice Co. let contract altering 1- and 2-story, 146 x 155-ft. ice plant, brick and steel, rein.-con. flooring, concrete foundation, on Devoe Ave. and 180th St., to L. B. Frees, 3029—3rd Ave. About $60,000. Noted Aug. 21.

•N. Y., New York—R. Carvel, 401 West 50th St., will build 2-story, 75 x 100 ft. brick and steel service station, rein.-con. flooring, concrete foundation, at 247 West 60th St. About $30,000. Work will be done by day labor.

•N. Y., New York—R. G. Corey, archt. and engr., 39 Cortlandt St., let contract to Industrial Eng. Co., 30 Church St., building 6-story 75 x 150 ft., brick and steel factory, rein.-con. flooring, concrete foundation, for C. Cory 290 Hudson St. About $200,000. Noted Sept. 11.

•N. Y., New York—T. G. Corvan, 125 West 53rd St., will build 5-story, 40 x 200 ft., brick and steel garage, rein.-con. flooring, concrete foundation, at 127-129 West 53rd St. About $25,000. Work will be done by day labor. Noted July 31.

•N. Y., New York—Demand Wet Wash Co., 89 Jewel St., Brooklyn, will build 2-story, 50 x 100 ft. brick and steel laundry, rein.-con. flooring, brick foundation, at 131 Lewis St. About $35,000. Work will be done by day labor.

•N. Y., New York—F. Ffunger, 365 East 142nd St., will build 1-story, 58 x 110 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Park Ave. and 179th St. About $30,000. Work will be done by day labor.

•N. Y., New York—M. Forman & Co., 1162 B'way., will alter 5-story, brick and steel factory, at 22 West 30th St. About $25,000. Work will be done by day labor.

•N. Y., New York—S. and C. Hyman, 2069-5th Ave., will alter 4-story brick and steel factory, rein.-con. flooring, on Grand and Goerck Sts. About $25,000. Work will be done by day labor. Noted Sept. 11.

•N. Y., New York—C. and P. Realty Co. 2167 Belmont Ave., will build 1-story, 103 x 138 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Carter Ave. and 176th St. About $35,000. Work will be done by day labor.

•N. Y., New York—S. Trimmer, 138th St and Harlem River, will alter 1-story, 78 x 125 ft., brick and steel factory, rein.-con. flooring. About $30,000. Work will be done by day labor.

•N. Y., New York—J. P. Walthen, 103 East 125th St., will alter 2-3-4- and 5- story, brick and steel storage buildings, rein.-con. flooring, at 2191-3rd Ave., 207 East 119th St. and 208 East 120th St. Work will be done by day labor.

•N. Y., Niagara Falls—Natl. Carbon Co. Madison St. N. W. and West 117th St., Cleveland, O., let contract building 1-story, 60 x 100 ft. brick and steel plant, concrete foundation, here, to J. F. McKinney Corp., Gluck Bldg. About $40,000.

•N. Y., Syracuse—Jackson & Hunter let contract building 3-story, 40 x 150 ft., brick and steel garage, rein.-con. flooring, on North State and Laurel Sts., to F. J. Grassman, Syracuse. About $40,000.

•N. J., Newark—Conl. Electric Co., Boyd St., let contract building 60 x 80 ft., rein.-con. addition to plant on Boyd St., to Salmon Bros., Elm St., Arlington, $66,000.

•N. J., North Bergen—J. A. Migel, Inc. 442-4th Ave., New York City, let contract building silk mill here, 2-story, rein.-con. and steel, covering 80,000 sq.ft. rein.-con. flooring concrete foundation, to J. W. Ferguson, Paterson. About $250,000. Noted Aug. 21.

•N. J., Trenton—Mitchell-Bissell Co., 251-4th Ave., New York City, let contract constructing two 1-story, 75 x 260 ft., rein.-con. factories on Burnswick Ave., to Turner Constr. Co., 242 Madison Ave., New York City. About $50,000.

•Pa., Phila.—Columbia Carpet Mills, 3rd and Huntingdon Sts., let contract building 5-story, 60 x 100 ft., rein.-con. factory, to W. Steele & Sons Co., 16th and Arch Sts.

•Pa., Phila.—Notaseam Hosiery Co., Mascher and Oxford Sts., let contract building 1-story, 55 x 250 ft. and 4-story, 48 x 250 ft. rein.-con., steel and brick factory, on Atlantic and I Sts., to Turner Concrete Steel Co., 1713 Sansom St. Incorrectly noted in our issue of Sept. 25.

•Pa., Phila.—Sears Roebuck & Co., Arthington and Homan Aves., Chicago, let contract building power house, 9-story, 360 x 442 ft. and 6-story, 80 x 420 ft. rein.-con., brick and stone, mail order houses, rein.-con. flooring, concrete foundation, on Roosevelt Blvd., here, to Irwin & Leighton Co., 126 North 12th St. About $4,500,000. Noted July 31.

•Pa., Phila.—Standard Garage, 1205 North 4th St., let contract building 2-story, 107 x 200 ft., brick garage, on Rockland and 6th Sts., to J. H. McDaniel, 2622 Parrish St. About $90,000

•Pa., Phila.—Steel Heddle Mfg. Co., 2110 West Allegheny St., let contract building 6-story, 60 x 120 ft. and 40 x 60 ft. rein.-con. factory, on 21st and Allegheny Sts., to W. Steele & Sons Co., 16th and Arch Sts.

•Pa., Phila.—J. W. Vandergrift let contract building 2-story, 57 x 175 ft. brick garage, on 12th and Cambria Sts., to F. G. English, 1608 North Carlisle St. About $50,000. Noted Sept. 18.

•Pa., Phila.—D. F. Waters, 53 Wister St., let contract building 2-story, 91 x 95 ft. concrete garage and storage house, on Lena and Collum Sts., to R. M. Peterson & Sons, 5114 Germantown Ave. About $40,000.

•Pa., Pittsburgh—S. A. Maxwell & Co. let contract building 9-story, 52 x 88 ft. rein.-con. warehouse, concrete foundation, on Isabella and Sandusky Sts., to Mellon-Stuart Co., Oliver Bldg. Noted Sept. 18.

•Pa., Pittsburgh—Mayer Wagon Co., 6431 Reimer Way, let contract building 1 story 50 x 111 ft., rein.-con., steel and brick factory, rein.-con. flooring, concrete foundation to Walker & Curley Co., 100 Farmers Bank Bldg. About $47,000.

•Pa., Pittsburgh—Natl. Casket Co., Chateau and Reedsdale Sts., let contract building 1-story, 98 x 100 ft., brick, dry kiln, concrete foundation, to A. and S. Wilson, 541-3rd Ave. About $31,000.

•Pa., Plymouth—Rothman & Freidman let contract building 2-story, 62 x 135 ft. rein.-con. and steel warehouse, rein.-con. flooring rock foundation, on Main St., to Clarke Bros., Main St. About $50,000.

•Pa., Port Kennedy—Valley Forge Magnesia Co. will build 1-story, 35 x 177 ft. and 32 x 177 ft., rein.-con., brick and steel factory. Work will be done by day labor.

•Md., Baltimore—H. F. Doelman, engr., 507 North Charles St., let contract to Hicks, Tase & Norris, Inc., 106 West Madison St., building 4-story, 24 x 85 ft., brick warehouse, stone and concrete foundation, at 1027-29 South Howard St., for W. B. Cassell & Co. About $50,000. Noted Aug. 28.

•Md., Baltimore—Sherwood Bros., 8th and Bank Sts., let contract building 1- and 2-story, 75 x 204 ft. oil plant, brick and mill construction, cement flooring, concrete foundation, to J. L. Muller, 430 South Highland Ave. About $75,000. Noted Aug. 28.

•Md., Baltimore—Sun Co., Haines and Warner Sts., let contract to McLean Contg. Co. 1412 Fidelity Bldg., constructing 1-story, 27 x 42 ft. brick garage, 40 x 45 ft. frame addition to warehouse, and 2 story, 12 x 30 ft brick office building, also rein.-con. foundations for four 14 x 44 ft. oil tanks and 15 x 75 ft., concrete and timber bulkhead. About $87,000.

•Md., Hagerstown—Antietam Sales Co., 29 West Antietam St., let contract building 2-story, 40 x 165 ft., rein.-con. repair shop to H. Angle, Manila and Dewey Aves. About $40,000.

•Md., Westport—A. S. Lorzeaux, engr., for Consolidated Gas, Electric Light & Power Co., Lexington Bldg., Baltimore, let contract constructing 2-story, 53 x 58 ft., rein.-con. service building, here, rein.-con. flooring, concrete foundation, to A. Tufts, 1401 Lexington Bldg., Baltimore. About $50,000. Noted Sept. 25.

•Va., Richmond—C. M. Robinson, archt. Times-Dispatch Bldg., let contract to A Witte, 1010 North Ave., building 4-story, 22 x 88 ft., rein.-con. warehouse, concrete foundation, on Belvidere and Main Sts., for W F. Richardson Storage Co., 601-3 West Main St. About $150,000.

•Va., Richmond—Southern Stove Wks. Hermitage Ed. and Leigh St., let contract constructing factory, including one 120 x 600 ft., one 90 x 300 ft., and several smaller buildings, 1-story, to J. T. Nuckols, 1102 East Main St. About $200,000.

•W. Va., Fairmount—West Virginia Metal Products Co. let contract building brass plant, consisting of an 80 x 280 ft. casting shop, 280 x 380 ft. factory and 150 dwellings, to F. T. Ley Co., 495 Main St. Springfield, Mass. About $1,500,000.

•W. Va., Huntington—Liggett Meyers Tobacco Co., 212 5th Ave., New York City, let contract building 1-story, 120 x 300 ft., brick, steel and concrete warehouse, rein.-con. flooring, concrete foundation, here, to Austin Co., 16107 Euclid Ave., East Cleveland, O. About $200,000.

•W. Va., Parkersburg—Nat. Supply Co. let contract building 3-story, 40 x 100 ft. fireproof warehouse, rein.-con. flooring concrete foundation, to Rust Eng. Co., Keenan Bldg. Pittsburg, Pa. About $60,000.

•N. C., Charlotte—Parker-Gardner Co., 16 West Trade St., let contract building 1 story 92 x 175 ft. mill construction factory, on 5th St., to J. P. Propst, 19 West 5th St. About $35,000.

•N. C., Pomona—Pomona Mills Co. let contract building 3 story, 80 x 132 ft. rein.-con. mill, to E. H. Clements, Charlotte. About $75,000.

•N. C., Rocky Mount—Faison Brick Co. will build plant. About $60,000. Work will be done by day labor.

•S. C., Spartanburg—Spartanburg Co. Mills let contract building 12,000 spindle plant, to Fiske-Carter Contr. Co. Cost, including machinery, $150,000.

•Ga., Macon—Atlantic Coal & Ice Co., Waterville Rd., let contract building five 1-story rein.-con. and steel warehouses, to Foundation Co., 233 Bway., New York City. About $250,000.

•Ga., Savannah—Loose-Wiles Biscuit Co. 410 Williamson St., let contract building 62 x 153 ft., brick, warehouse, to R. J. Whalley

•Ala., Birmingham—Birmingham Age Herald let contract building 5-story, 48 x 65 ft. addition to plant, on 5th Ave., 21st and 22nd Sts., to C. M. Allen, 114½ North 21st St. About $50,000; comn. basis.

•O., Canton—Hoover Suction Sweeper Co. 119 North 4th St., N. W., will build 4-story, 80 x 170 ft., brick and steel addition to factory. Work will be done by day labor.

•O., Cleveland—Auto Carriage Co., West 9th St., let contract building 3-story, 60 x 400 ft., rein.-con., steel and brick factory, on Bedford Ave., to H. K. Ferguson Co., 6523 Euclid Ave. About $300,000.

•O., Cleveland—G. S. Rider Co., engrs. and archts., Century Bldg., let contract to W. B McAllister Co., 2165 East 31st St., building 2-story, 36 x 165 ft., rein.-con., steel and brick power house and saw mill, for Barris Co. 2048 West 3rd St. About $100,000. Noted Sept. 25.

•O., Cleveland—F. H. Boltman Co., 10271 Berea Rd., let contract building 1 story, 84 x 112 ft., rein.-con., steel and brick machine shop, to A. A. Lane Co., Union Bldg. About $30,000.

•O., Cleveland—Crescent Brass Mfg. Co. 8410 Lake Ave., let contract building 4-story 65 x 100 ft., concrete, steel and brick factory, to Webber Co., 1609 West 25th St About $50,000. Noted Oct. 2.

•O., Cleveland—City Ice Delivery Co., 1935 Euclid Ave., let contract constructing 1 story 100 x 140 ft., rein.-con., steel and brick, storage building, on Euclid Ave., to Younger & Farmer, 1670 Crawford Rd About $60,000. Noted Sept. 18.

Bids Dec. 2.

TUNNEL CONSTRUCTION.

Pittsburgh, Pa.

Sealed proposals will be received at the office of the County Controller of the County of Allegheny, Pennsylvannia, Courthouse, Fifth Avenue and Grant Streets, Pittsburgh, Pa., until December 2, 1919, at 11 o'clock, a.m., and publicly opened and immediately thereafter, for the construction for said County of Allegheny of a public highway tunnel, through Mount Washington, together with approaches thereto, the tunnel and approaches together having an approximate length of 6,289 feet and extending from the southerly side of Brownsville avenue, opposite Manor Street, in the Seventeenth ward of the City of Pittsburgh, in said county, to the northerly side of Warrington avenue at its intersection with West Liberty avenue, in the Nineteenth ward of said city, the tunnel proper being approximately 5,690 feet in length with a northerly approach of approximately 325 feet and a southerly approach of approximately 274 feet in length, and consists of two separate parallel tubes or tunnels fifty nine (59) feet between centers, each twenty six (26) feet in width.

The proposed tunnel and approaches are to be built by said county under the provisions of an act of Assembly approved March 17, 1917, P.L. 12 and pursuant to proceedings in the Court of Quarter Sessions of said county at Commissioners' Road Docket No. 5, June sessions, 1919.

Prospective bidders, on application at either the office of A.D.Neeld, Consulting Engineer for said county, at Room 508 Bakewell Building, Grant and Diamond Streets, Pittsburgh, Pa., or at the office of the County Commissioners of said county, Courthouse, Fifth Avenue and Grant Street, Pittsburgh, Pa., will be furnished with a special pamphlet designating "Liberty Tunnel Contract" which gives full information as to the work, the conditions regulating bidding and the various requirements in relation thereto.

Said pamphlet consists of

(1) A copy of the public advertisement for bidders. (2) Information for bidders. (3) A bidding blank for the use of bidders (4) Specifications for the construction of the tunnel and approaches. (5) The form of contract required to be entered into by the successful bidder when the contract is awarded. (6) The form of bond to be given by the contractor.

The plans for said tunnel and approaches are on file in the office of said A.D. Neeld, Consulting Engineer, and in the County Commissioners office where they may be examined by prospective bidders, on request at all reasonable hours, and copies of said plans will be furnished prospective bidders under the terms and conditions set forth in the Information for Bidders.

In submitting bids, bidders must use the special bidding blanks found in said pamphlets, which must be sealed and addressed to the "County Commissioners of the County of Allegheny, Pennsylvania" and deposited with the County Controller and marked "Proposal for Liberty Tunnel Contract"

Proposals must be accompanied by a certified check to the order of the Treasurer of the County of Allegheny in the sum of two hundred thousand ($200.00) dollars as a guarantee that the bidder, if awarded the contract, will accept the same and will faithfully comply with every requirement and condition set forth in the advertisement and notice to contractors, as more fully set f forth in the Information for bidders.

The contract for said work will be awarded or all bids rejected within forty-eight hours after the opening of said bids.

The county reserves the right to reject any and all bids.

JOHN P. MOORE,
County Controller.

Bids Nov. 25.

TRANSMISSION LINES.

Charleston, W.Va.

Bids are requested by the Virginian Power Company, Charleston, W.Va., for subletting the construction of the following named the transmission lines which are included in contracts between the United States Government and The Virginian Power Company as contractor.

(a) Government line No. 2, approximately thirty-three and eight-tenths(33.8) miles in length, from the Cabin Creek Junction Plant of The Virginian Power Company to the U. S. Naval Ordnance Plant at South Charleston, W.Va., this being a single circuit, 66000 volt, steel tower transmission line. (b) Government line No. 24, approximately six and one half (6.5) miles in length, from the Charleston substation of the Virginian Power Company to the substation of the U. S. Naval Ordnance Plant at South Charleston, W.Va., this being a double circuit, 44000 volt, steel tower and wood pole transmission line.

The necessary rights of way and all material which will be a part of the completed lines to be furnished by The Virginian Power Company, the sub-contractor will be required to load, unload, distribute, and erect all material necessary to complete the lines and to furnish for this purpose all superintendence, labor, tools, plant or equipment. One total lump sum bid is desired for all the above. Bids will be opened at the office of The Virginian Power Company, Charleston, W.Va., November 25th, 1919 at 12 o'clock noon. The right is reserved to reject anyand all bids. A certified check for 2 per cent of the total amount of the bid is required.

Plans and specifications may be examined at the office of the Virginian Power Company, Charleston, W.Va. Contract forms can be obtained at the same address.